Kenneth A. Ehrlich Direct: (310) 785-5395 Fax: (310) 712-3395 KEhrlich@jmbm.com 1900 Avenue of the Stars, 7th Floor Los Angeles, California 90067-4308 (310) 203-8080 (310) 203-0567 Fax www.jmbm.com

Ref: 58038-0043

May 31, 2006

Kim Muratore Case Developer (SFD-7-B) United States Environmental Protection Agency Region 9 75 Hawthorne Street San Francisco, CA 94105

Re: Our client: CalMat Co. dba Vulcan Materials Company, Western Division

("CalMat")

March 28, 2006 General Notice Letter and CERCLA § 104(e) Information

Request

Dear Ms. Muratore:

Our office represents CalMat. Please find enclosed CalMat's responses to questions 21-37 from the CERCLA § 104(e) information request referenced above. Please contact our office with questions or comments.

Very truly your

KENNETH A. EHRLICH, a Professional Corporation of

Jeffer, Mangels, Butler & Marmaro LLP

KAE:pf1

San Fernando Valley/North Hollywood Superfund Site First Round of Responses (Responses to questions 21-37 postmarked no later than May 31, 2006)

The CalMat Co. dba Vulcan Materials Company, Western Division ("CalMat" or the "Company") responds to the United States Environmental Protection Agency, Region IX's March 28, 2006 General Notice Letter and CERCLA Section 104(e) Information Request ("Information Request") without prejudice and reserving all of its legal rights and waiving none. CalMat reserves all of its legal rights and objections to the Information Request, and submits the following without prejudice.

7361 Laurel Canyon Blvd.
 North Hollywood, CA 91605
 APN: 2307-022-010
 (Otherwise known as "Hewitt – Laurel Canyon Facility")

9228 Tujunga Avenue
 Sun Valley, CA 91352
 APN: 2538-010-002
 (Otherwise known as "Pick Your Part" – Tujunga facility)

9361 Glenoaks Blvd.
 Sun Valley, CA 91352
 APN: 2538-010-006 (Glenoaks Facility)

1. State the full legal name, address, telephone number, position(s) held by, and tenure of the individual(s) answering any of the questions below on behalf of the Company.

Response:

- * Brian Anderson (Manager Environmental Services) 3200 San Fernando Road Los Angeles, CA 90065 619-767-9437
- * Bill Bennett (Supervisor Landfills) 16016 Foothill Blvd. Irwindale, CA 91706 626-856-6184
- * John Bennett CDM, Inc. 18581 Teller Ave., Suite 200 Irvine, CA 92612

* George William Cosby

Conrock

4/15/63 - Sales Trainee

6/4/73- Assistant Sales Manager

CalMat

10/1/79 - Assistant General Manager Valley Reclamation

2/17/80 - General Manager Valley Reclamation

4/7/81 - Vice President General Manager Valley Reclamation (VP Land

Reclamation 7/15/90 - Title Change only)

Vulcan

2/29/00 - Retired

Personal Privacy

* Gary G Goellner 11401 W Tuxford St Sun Valley, CA 91352 (818) 922-8816 Cell (818) 535-2430 Reg Ops Mgr II - 10/8/01 Conrock,Valley Reclamation,CalMat, Vulcan

* Jerry Lindaman 11401 W Tuxford St Sun Valley, CA 91352 (818) 922-8817 Cell (818) 535-0836 Plant Mgr V - 10/1/04 Conrock, CalMat, Vulcan

* Greg Lindaman 11401 W Tuxford ST Sun Valley, CA 91352 (818) 983-0146 HDR Welder - 2/26/05 Conrock, CalMat, Vulcan

* William A. Miller Jr.
Vulcan Materials Company
9/16/68 - Current: Director, Corporate Risk (effective 3/01/04)
1200 Urban Center Drive

Birmingham, AL 35242 205-298-3455

21. Provide a scaled map of each of the Facilities which includes the locations of significant buildings and features.

Indicate the locations of any maintenance shops, machine shops, degreasers, liquid waste tanks, chemical storage tanks, and fuel tanks.

Provide a physical description of each of the Facilities and identify the following:

- a. Surface structures (e.g. buildings, tanks, containment and/or storage areas, etc.)
- b. Subsurface structures (e.g. underground tanks, sumps, pits, clarifiers, etc.);
- c. Groundwater and dry wells, including drilling logs, date(s) of construction or completion, details of construction, uses of the well(s), date(s) the well(s) was/were abandoned, depth to groundwater, depth of well(s) and depth to and of screened interval(s);
- d. Past and present stormwater drainage system and sanitary sewer system, including septic tank(s) and subsurface disposal field(s);
- e. Any and all additions, demolitions or changes of any kind to physical structures on, under or about the Facility or to the property itself (e.g., excavation work), and state the date(s) on which such changes occurred; and
- f. The location of all waste storage or waste accumulation areas as well as waste disposal areas, including but not limited to dumps, leach fields, and burn pits.

Response:

Laurel Canyon:

- Map: See Figure 1
- Location of certain areas in facility
- * Provide a physical description of each of the Facilities and identify the following:
 - a. Surface structures (e.g. buildings, tanks, containment and/or storage areas, etc.):

See Appendix A, Figure 1 and Section 2.

b. Subsurface structures (e.g. underground tanks, sumps, pits, clarifiers, etc.):

Los Angeles Byproducts installed a diesel underground storage tank (UST) on the site that was later removed by CalMat. The exact years of installation and removal of the former UST are not known or documented. No sumps or clarifiers exist/existed at the site (Personal communication, George Cosby, 2006; see Appendix B).

c. Groundwater and dry wells, including drilling logs, date(s) of construction or completion, details of construction, uses of the well(s), date(s) the well(s) was/were abandoned, depth to groundwater, depth of well(s) and depth to and of screened interval(s): Wells associated with the site are shown in Figure 1. The Solid Waste Assessment Test (SWAT) -Water Report (Law Environmental, 1988) and associated addendum (Law Environmental, 1989) contain groundwater well information and associated data. These documents are included in Appendix A.

No dry wells exist/existed at the site (Personal communication, George Cosby, 2006; see Appendix B).

d. Past and present stormwater drainage system and sanitary sewer system, including septic tank(s) and subsurface disposal field(s):

The locations of known subsurface stormwater drainage system and sanitary sewer lines are shown in Figure 1. Stormwater drainage annual reports for years 1999 to 2005 are included in Appendix C.

No septic tanks or subsurface disposal fields are known to have existed at the site (Personal communications, George Cosby, Retired CalMat Vice President of Landfill Operations; Steve Botsford, Laurel Canyon Properties, LLC., present tenant Laurel Canyon Facility and owner of the onsite Mini Storage facility, 2006; see Appendix B).

e. Any and all additions, demolitions or changes of any kind to physical structures on, under or about the Facility or to the property itself (e.g., excavation work), and state the date(s) on which such changes occurred:

Based on available aerial photos (Appendix D), the following changes in structures occurred:

1928, 1938, and 1956 photos: Five buildings/structures related to the aggregate plant existed on the east side of the parcel.

1965: All structures have been removed and the east side of the parcel is now filled to grade. The western portion remains excavated.

1969: Landfilling continues, advancing from east to west.

1972: A scalehouse is the only structure present and entire site has been filled and graded.

1974, 1976, 1977: Scalehouse has been demolished and no structures are present at the site.

1977, 1979, 1980, 1981, 1982: Landfill gas monitoring system, associated piping, and methane flare are visible in these photographs. No other structures are present.

1989-2002: Mini-storage units and modular buildings are present in the eastern portion of the site. Automobiles associated with the auto auction business are present in the central portion, No structures are present in the western portion.

f. The location of all waste storage or waste accumulation areas as well as waste disposal areas, including but not limited to dumps, leach fields, and burn pits:

None known.

Document Sources: Vulcan internal aerial photo collection, SWAT Report (Law Environmental, 1988, 1989)

People Sources:

- 1. George Cosby (Personal communication, 2006, Appendix B)
- 2. Steve Botsford (Personal communication, 2006, Appendix B)

Glenoaks Facility:

- Map: See Figure 2
- Location of certain areas in facility
- * Provide a physical description of each of the Facilities and identify the following:
 - a. Surface structures (e.g. buildings, tanks, containment and/or storage areas, etc.):

See Figure 2.

b. Subsurface structures (e.g. underground tanks, sumps, pits, clarifiers, etc.):

None known.

c. Groundwater and dry wells, including drilling logs, date(s) of construction or completion, details of construction, uses of the well(s), date(s) the well(s) was/were abandoned, depth to groundwater, depth of well(s) and depth to and of screened interval(s):

No groundwater wells are known to exist onsite per Geomatrix investigation and corresponding May 2, 2006 letter to EPA (SDMS Doc ID# 1102802; Appendix E).

d. Past and present stormwater drainage system and sanitary sewer system, including septic tank(s) and subsurface disposal field(s):

The locations of known subsurface stormwater drainage system and sanitary sewer lines are shown in Figure 1.

e. Any and all additions, demolitions or changes of any kind to physical structures on, under or about the Facility or to the property itself (e.g., excavation work), and state the date(s) on which such changes occurred:

Based on available aerial photos (Appendix D), the following structural changes within the two contiguous "Pick Your Part" parcels (Tujunga and Glenoaks facilities) have been observed:

1928: Agricultural plots with various residential and agriculture related structures (i.e bins, silos) occupy both parcels.

1938: Agricultural structures have been demolished. A mine pit is visible in the western half (current location of the Tujunga facility), and an associated aggregate conveyor is present.

1954: The aggregate conveyor has been extended eastward across Glenoaks Blvd. to the aggregate mining operation across Glenoaks Blvd.

1956, 1959: Mining related structures are visible along Tujunga Avenue.

1960: Two large gravel stockpiles are visible in the photograph, and the existing conveyor system has been moved slightly northward.

1965: Automobiles are stored on Pendleton Street in the eastern corner (location of the current Glenoaks facility). The presence of these automobiles presumably constitutes the initial stages of the current auto dismantling facility operations.

1971: Aggregate mining continues and more automobiles are visible in the eastern corner.

1971, 1973, 1967, 1977, and 1980: Increasing numbers of automobiles are present in the eastern half of the parcel that is now the Glenoaks facility.

1981: The aggregate conveyor has been removed from the site, and more automobiles have visibly expanded to the west within the current Glenoaks facility.

1982: A new conveyor is now present, reconfigured to transport aggregate through the site to the Sun Valley Operation. The Glenoaks facility is almost completely filled with automobiles. The parcel boundary between Tujunga and Glenoaks Facilities is clearly visible. Mining related buildings on Tujunga Avenue remain.

1989: Automobiles appear in western portion (current location of the Tujunga facility).

1994: Increasing number of automobiles in present location of the Tujunga facility.

2002: Both facilities now storing many automobiles. Structures built in association with mining operations remain on site, apparently still being used by Pick Your Part, the current owner of the facility.

f. The location of all waste storage or waste accumulation areas as well as waste disposal areas, including but not limited to dumps, leach fields, and burn pits.

None known.

Document Source: None

People Source: See Appendix B; Jerry Lindaman, Vulcan Sun Valley Operation Plant Manager; Gary Goellner, Vulcan Los Angeles Regional Operations Manager.

Tujunga Facility

Map: See Figure 2

- Location of certain areas in facility
- * Provide a physical description of each of the Facilities and identify the following:
 - a. Surface structures (e.g. buildings, tanks, containment and/or storage areas, etc.)

See Figure 2.

b. Subsurface structures (e.g. underground tanks, sumps, pits, clarifiers, etc.):

None known.

c. Groundwater and dry wells, including drilling logs, date(s) of construction or completion, details of construction, uses of the well(s), date(s) the well(s) was/were abandoned, depth to groundwater, depth of well(s) and depth to and of screened interval(s):

None known (see Glenoaks Facility response to this question, incorporated by this reference).

d. Past and present stormwater drainage system and sanitary sewer system, including septic tank(s) and subsurface disposal field(s):

None known.

e. Any and all additions, demolitions or changes of any kind to physical structures on, under or about the Facility or to the property itself (e.g., excavation work), and state the date(s) on which such changes occurred:

See above site description for Glenoaks Facility.

f. The location of all waste storage or waste accumulation areas as well as waste disposal areas, including but not limited to dumps, leach fields, and burn pits:

None known.

Document Source: None

People Source: Appendix B; Jerry Lindaman, Gary Goellner (Personal

communication, 2006).

22. Provide copies of hazardous material business plans and chemical inventory forms (originals and update) submitted to city, county, and state agencies.

Response:

Laurel Canyon Facility: None found

Document Source: City of Los Angeles Fire Department in response to CDM's file

review request (Appendix F).

People Source: None

Glenoaks Facility:

Document Source: Los Angeles City Fire Department, HAZMAT Business Plan,

Document I.D. # FA35200 (Appendix F)

People Source: None

Tujunga Facility: None found

Document Source: City of Los Angeles Fire Department (Appendix F)

People Source: None

23. Provide a list of all chemicals and hazardous substances used at each of the Facilities, identifying the chemical composition and quantities uses. Provide copies of Material Safety Data Sheets for all hazardous substances used.

Response:

Laurel Canyon Facility:

- Hazardous substances used: Diesel fuel and lubricating oil was used by trucks and equipment. No MSDS available. No other chemicals were known to have been used, stored, or disposed of at the Laurel Canyon Facility. Current lease conditions do not allow chemicals to be stored at the Laurel Canyon facility, which includes the mini-storage and auto auction.
- Chemical Composition: Diesel fuel and lubricating oil
- Quantities used: Not known Document Source: None found

Person Source: Appendix B; George Cosby and Steve Botsford (Personal

communication, 2006).

Glenoaks facility

- Hazardous substances used: Diesel fuel and motor oil was used by trucks and equipment
- Chemical Composition: Diesel fuel and lubricating oil
- Quantities used: Not known.

Document Source: None found

Person Source: Appendix B; Greg Lindaman, Gary Goellner (Personal

communication, 2006).

Tujunga Facility

- Hazardous substances used: Diesel fuel and lubricating oil were used by trucks and equipment
- Chemical Composition: Diesel fuel and motor oil
- Quantities used: Not known.

Document Source: No pertinent documentation has been found

Person Source: Appendix B; Greg Lindaman, Gary Goellner (Personal

communication, 2006).

- 24. Identify and provide the information below for all volatile organic compounds (most notably PCE; TCE; 1, 1-DCE; MTBE; 14-DCA, cis-1,2-DCE; and carbon tetrachloride); Title 22 metals including total and hexavalent chromium; 1, 4-dioxane; N-nitrosodymethylamine (NDMA); perchlorate; which are or were used at, or transported to, each of the Facilities:
- a. The trade or brand name, chemical composition, and quantity used for each chemical or hazardous substance and the Material Safety Data Sheet for each product;
- b. The location(s) where each chemical or hazardous substance is or was used, stored, and disposed of;
- c. The kinds of wastes (e.g. scrap metal, construction debris, motor oil, solvents, waste water), the quantities of wastes, and the methods of disposal for each chemical, waste or hazardous substance;
- d. The quantity purchased (in gallons), the time period during which it was used, and the identity of all persons who used it; and
- e. The supplier(s), and provide copies of all contracts, service orders, shipping manifests, invoices, receipts, canceled checks, or any other documents pertaining to the supply of chemicals or hazardous substances.

Response:

Laurel Canyon:

No known usage of the referenced chemicals onsite. See Appendix B; Personal communications, George Cosby, Steve Botsford, 2006.

The site was operated as a solid waste landfill from 1962 until it was officially closed on November 12, 1975. Only non-hazardous solid waste and inert waste were accepted in the landfill. No liquid or hazardous wastes were accepted.

Glenoaks Facility:

No known usage of the referenced chemicals onsite. See Appendix B, Personal communication, Greg Lindaman, 2006.

Tujunga Facility:

The Company has reviewed no documentation which reveals use of the referenced chemicals onsite.

25. Provide copies of all environmental data or technical or analytical information regarding soil, water, and air conditions at or adjacent to each of the Facilities, including, but not limited to, environmental data or technical or analytical information related to soil contamination, soil sampling, soil gas sampling, geology, water (ground and surface), hydrogeology, groundwater sampling, and air quality.

In your response, include copies of a supplemental monitoring report dated July 1, 1989, mentioned in the Solid Waste Assessment Test (SWAT) – Water for Hewitt Landfill dated June 6, 1988 prepared by Law Environmental for CalMat Company, and include a

copy of Appendix D to the SWAT report dated July 1, 1988, prepared by Law Environmental for CalMat Company.

Response:

Laurel Canyon Facility: Available data are provided in the appendices specified below.

Document Sources:

- Law Environmental (1988, 1989; Appendix A).
- Environmental Profiles Inc. (2001; Appendix G).
- Law Environmental (1989), Vadose Zone Monitoring and Testing (Appendix G)
- Mandeville and Associates (1988). Air Quality SWAT for Hewitt Landfill (Appendix H).
- Landfill Gas Collection System Monitoring and Maintenance documentation and data (Appendix I).
- GC Environmental (April 2005). First Quarter Air Monitoring Report for the Hewitt Pit Landfill.

Glenoaks Facility: No onsite groundwater wells have been found.

Document Source: Transmittal from Dongell-Lawrence-Finney-Claypool Lawyers to EPA describing Geomatrix investigation (Appendix E).

Tujunga Facility: No onsite groundwater wells have been found.

Document Source: Transmittal from Dongell-Lawrence-Finney-Claypool Lawyers to EPA describing Geomatrix investigation (Appendix E).

- 26. Identify, and provide the following information for, all groundwater wells that are located at each of the Facilities:
 - a. A map with the specific locations of the groundwater wells at each of the Facilities;
 - b. Date the each of the Facilities' groundwater wells were last sampled;
 - c. List of all constituents which were analyzed during groundwater sampling events; and
 - d. All groundwater sampling results, reports of findings, and analytical data.

Response:

Laurel Canyon Facility:

- a. A map with the specific locations of the groundwater wells at each of the Facilities: Law Environmental (1988, 1989; Appendix A) and Figure 1.
- b. Date each of the Facilities' groundwater wells were last sampled: 1989.

- c. List of all constituents which were analyzed during groundwater sampling events: Law Environmental (1988, 1989; Appendix A).
- d. All groundwater sampling results, reports of findings, and analytical data. Law Environmental (1988, 1989; Appendix A).

Document Source: Law Environmental (1988, 1989; Appendix A)

Person Source: None

Glenoaks facility

- a. A map with the specific locations of the groundwater wells at each of the Facilities;
 - b. Date the each of the Facilities' groundwater wells were last sampled;
- c. List of all constituents which were analyzed during groundwater sampling events; and
 - d. All groundwater sampling results, reports of findings, and analytical data.

No groundwater wells known to exist onsite.

Document Source: Transmittal from Dongell Lawrence et al. to EPA describing Geomatrix investigation (Appendix E).

Person Source: None

Tujunga Facility

- a. A map with the specific locations of the groundwater wells at each of the Facilities;
 - b. Date the each of the Facilities' groundwater wells were last sampled;
- c. List of all constituents which were analyzed during groundwater sampling events; and
 - d. All groundwater sampling results, reports of findings, and analytical data.

No groundwater wells known to exist onsite.

Document Source: Transmittal from Dongell Lawrence et al.to EPA describing Geomatrix investigation (Appendix E).

Person Source: None

27. Identify all insurance policies held by the Company from time to time it commence ownership of or operations at each of the Facilities until the present. Provide the name and address of each insurer, the policy number, the amount of coverage and policy limits, the type of policy, and the expiration date of each policy. Include all comprehensive general liability policies and "first party" property insurance policies and all environmental impairment insurance. Provide a complete copy of each policy.

Response:

CalMat has prepared Appendix M, an insurance summary chart, and incorporates the chart by this reference.

Person Source: William Miller, Vulcan Materials Co.

28. Provide copies of any applications for permits or permits received under any local, state, federal environmental laws and regulations, including any waste discharge permits, such as national pollutant discharge elimination system permits.

Response:

Laurel Canvon:

Document Sources:

- Application for Sanitary Landfill Permit (Appendix J)
- Air Quality Permit for Methane Flare Vent for Landfill Gas Monitoring System (Appendix J)
- Storm Water Pollution Prevention Plan (SWPPP) for Mini Storage facility on Hewitt (Appendix J)

Glenoaks facility No responsive permits found.

Tujunga Facility: No responsive permits found.

29. If the Company discharged any of its waste stream to the sewer at any of the Facilities, provide copies of all permits and all analyses performed on discharged water, and identify all locations where waste streams were discharged.

Response:

<u>Laurel Canyon</u>: Sanitary sewer connection to City of Los Angeles municipal sewer system only. No known waste streams were conveyed to the sewer.

Person Source: George Cosby and Steve Botsford (Personal communication, 2006; see Appendix B).

Glenoaks facility: Sanitary sewer connection to City of Los Angeles municipal sewer system only. No known waste streams were conveyed to the sewer.

Person Source: Jerry Lindaman (Personal communication, 2006; see Appendix B).

<u>Tujunga Facility</u>: Sanitary sewer connection to City of Los Angeles municipal sewer system only. No known waste streams were conveyed to the sewer.

Person Source: Jerry Lindaman (Personal communication, 2006; see Appendix B).

- 30. For each waste stream generated at each of the Facilities, describe the procedures for
 - (a) collection
 - (b) storage
 - (c) treatment
 - (d) transport
 - (e) disposal of the waste stream

Response:

<u>Laurel Canyon:</u> No waste streams generated onsite.

Person Source: George Cosby (Personal communication, 2006; see Appendix B.

Glenoaks facility No waste streams generated onsite.

Person Source: Greg Lindaman (Personal communication, 2006; see Appendix B.

Tujunga Facility No waste streams generated onsite.

Person Source: Greg Lindaman (Personal communication, 2006; see Appendix B.

31. Please provide a detailed description of all pre-treatment procedures performed by the Company on its waste streams at each of the Facilities prior to transport to a disposal site.

Response:

Laurel Canyon: None known

Person Source: George Cosby, Steve Botsford (Personal communication, 2006; see

Appendix B.

Glenoaks facility: None known

Person Source: Greg Lindaman (Personal communication, 2006; see Appendix B).

Tujunga Facility: None known

Person Source: Greg Lindaman (Personal communication, 2006; see Appendix B.

32. Please describe the method used by the Company to remove waste streams from sumps at each of the Facilities.

Response:

<u>Laurel Canyon</u>: No sumps onsite, no known waste streams generated onsite or discharged from the site.

Person Source: George Cosby, Steve Botsford (Personal communication, 2006; see Appendix B).

Glenoaks facility: None known.

Person Source: Greg Lindaman (Personal communication, 2006; see Appendix B).

Tujunga Facility: None known.

Person Source: Greg Lindaman (Personal communication, 2006; see Appendix B).

33. Please identify all wastes that were stored at each of the Facilities prior to shipment for disposal. Describe the storage procedures for each waste that was stored prior to disposal.

Response:

<u>Laurel Canyon Facility:</u> The subject facility has neither stored nor generated known wastes onsite. (Personal communications, George Cosby and Steve Botsford, 2006; see Appendix B).

Glenoaks Facility Wastes were not stored onsite (Personal communication, Greg Lindaman, 2006; see Appendix B).

<u>Tujunga Facility</u> Wastes were not stored onsite (Personal communication, Greg Lindaman, 2006; see Appendix B).

34. Please identify all leaks, spills, or other releases into the environment of any hazardous substances or pollutants or contaminants that have occurred at or from any of the Facilities.

In addition, identify and provide supporting documentation of:

- a. The date each release occurred;
- b. The cause of each release:
- c. The amount of each hazardous substance, waste, or pollutant or contaminant released during each release;
- d. Where each release occurred and what areas were impacted by the release; and
- e. Any and all activities undertaken in response to each release, including the notification of any local, state, or federal government agencies about the release.

Response:

Laurel Canyon Facility: No leaks reported.

Document Source: EDR GeoCheck Report (Appendix K)

Person Source: George Cosby (Personal communication, 2006; see Appendix B).

Glenoaks Facility: No leaks reported.

Document Source: EDR GeoCheck Report (Appendix K)

Person Source: Jerry Lindaman (Personal communication, 2006; see Appendix B).

Tujunga Facility: No leaks reported.

Document Source: EDR GeoCheck Report (Appendix K)

Person Source: Jerry Lindaman (Personal communication, 2006; see Appendix B).

35. Provide copies of any correspondence between the Company and local, state, or federal authorities concerning the use, handling, or disposal of hazardous substances at any of the Facilities, including but not limited to any correspondence concerning any of the releases identified in response to the previous question.

Response:

<u>Laurel Canyon Facility:</u> See Appendix L, which contains correspondence between CalMat and regulating authorities relative to the North Hollywood Operable Unit contaminant issues.

Glenoaks facility: None found.

Tujunga Facility: None found.

36. Provide a list of any hazardous substances that the Company knew, at the time it purchased each of the Facilities, had been used or disposed of at each of the Facilities.

Response:

Laurel Canyon Facility: None known

Glenoaks facility: None known

Tujunga Facility: None known

37. State whether the Company is aware of any measures taken to contain or remediate the effects of releases of hazardous substances at or adjacent to each of the Facilities. Provide copies of all documentation evidencing such remediation efforts not previously provided to EPA, as well as any documentation from state or federal regulatory agencies not previously provided to EPA identifying the need for investigation or remediation of releases of hazardous substances at or adjacent to the Facilities.

Response:

None known.

Attachments

Figure 1: Site Vicinity Map – Laurel Canyon Facility

Figure 2: Site Vicinity Map – Glenoaks and Tujunga Facilities

Appendix A: Solid Waste Assessment Test (SWAT) Reports – Water, Hewitt Landfill (Laurel Canyon Facility) (Law Environmental; 1988, 1989).

Appendix B: Personal Communication Documentation

Appendix C: Stormwater Discharge Annual Reports, Laurel Canyon Facility, 1999-2005

Appendix D: Aerial Photographs

Appendix E: Letter Concerning Nonexistence of Groundwater Wells at Glenoaks and Tujunga Facilities

Appendix F: File Review Requests to City of Los Angeles City Fire Department and Department of Toxic Substances Control

Appendix G: Construction and Testing of Vadose Zone Monitoring System, Hewitt Landfill (Laurel Canyon Facility) (Law Environmental, 1989)

Appendix H: Solid Waste Assessment Test (SWAT) Report - Air Quality, Hewitt Landfill (Laurel Canyon Facility) (Kleinfelder, 1989)

Appendix I: Hewitt Landfill Gas Collection System Permitting and Monitoring Data

Appendix J: Various Environmental Permitting, Hewitt Landfill (Laurel Canyon Facility)

Appendix K: Environmental Data Resources GeoCheck Reports

Appendix L: Regulatory Correspondence Concerning the North Hollywood Operable Unit

Appendix M: Insurance Summary Chart

Appendix N: First Quarter Air Monitoring Report for the Hewitt Pit Landfill, GC Environmental, April 2005

Response to General Notice Letter 104(E)

San Fernando Valley North Hollywood Superfund Site Volume I

May 24, 2006

Prepared for:

Vulcan Materials Company

Prepared by:

CDM

18581 Teller Avenue, Suite 200 Irvine, California 92612



Methane Flare for andfill Gas Monitoring System

Legend

Hewitt Landfill

Storm Sewer Pipelines

nerman Wa

Monitoring Well

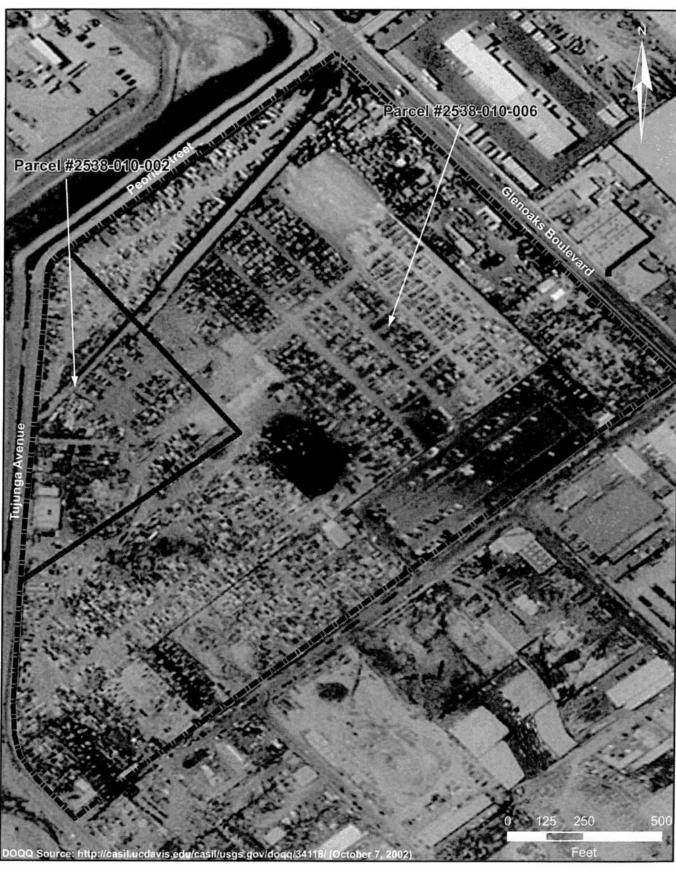
City of Los Angeles Storm Drain Inlet -Los Angeles County 125 250 500

Feet

Parcel #2307-022-010 Hewitt Landfill (Closed) 7361 Laurel Canyon Boulevard North Hollywood, CA 91605

Vulcan Materials Company Hewitt Landfill (Closed)

Site Vicinity Map - Laurel Canyon Facility



Legend

G:\22517_Vulcan\Figure 2_PickYourPart

Storm Drains

Storm Sewer Pipes

City of Los Angeles

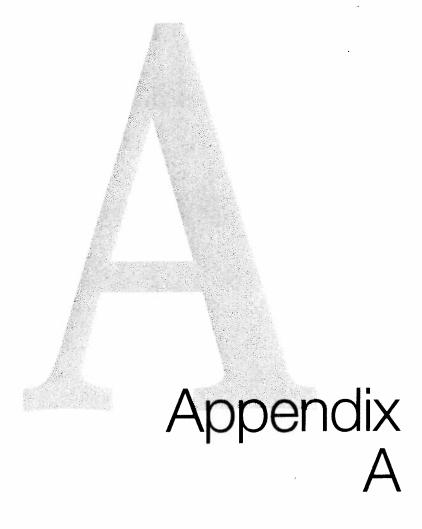


Pick Your Park
(Tujunga Facility)

Parcel #2538-010-002 Pick Your Part (Tujunga Facility) 9228 Tujunga Avenue Sun Valley, CA 91352

Pick Your Park (Glenoaks Facility)

Parcel #2538-010-006 Pick Your Park (Glenoaks Facility) 9361 Glenoaks Boulevard Sun Valley, CA 91352 Vulcan Materials Company Site Vicinity Map - Pick Your Part (Tujunga and Glenoaks Facilities)



Appendix A Solid Waste Assessment Test (SWAT) Reports-Water, Hewitt Landfill (Laurel Canyon Facility) (Law Environmental; 1988, 1989)



SOLID WASTE ASSESSMENT TEST REPORT - WATER

HEWITT LANDFILL

NORTH HOLLYWOOD DISTRICT, LOS ANGELES, CALIFORNIA

FOR

CALMAT COMPANY

PROJECT NO. 58-7057

\$ B

REFERENCES

- Brown and Caldwell Quality Assurance Division, April 1987, "Quality Assurance Manual", Fifth Edition.
- California Division of Mines and Geology, 1975, "San Fernando, California Earthquake of February 9, 1971", Bulletin 196.
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- DeWiest, J. M. 1962, "Theory of Ground Water Movement", translation.
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- Los Angeles Department of Public Works, Flood Control, 1982, "Hydrologic Report 1975-77".
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GAS MIGRATION

There is little or no threat to water quality from gas migration. A gas control system was installed during the mid-1970's. Gas production has been declining with time. The drilling of the leachate well revealed little decomposed waste present. Water quality could be threatened, if the gas system were to cease operation before the fill fully decomposed. However, the gas system is planned to stay in operation.

REMEDIAL ACTION

We recommend continued vigilance in adjusting the gas system, maintenance of a low permeability cover, and maintenance of proper run-off control in order to prevent water from ponding on the site.



hazardous compounds originating in landfill gas have measurably affected ground water beneath the landfill. We feel that with time we can verify this, after we have gathered a larger data base. The data at this time is too limited to reach any firm conclusion. The gas analysis shows detectable limits of sixteen different compounds, and are presented in Appendix B.

CONCLUSIONS

HAZARDOUS MATERIALS ON SITE

Although records of waste received at Hewitt Landfill are poor, this site does not appear to contain hazardous materials at concentrations that would affect water quality. The site does not produce leachate. Only gas analyses show the presence of trace amounts of solvents.

LEAKAGE OF HAZARDOUS MATERIAL

There is no evidence of leakage of leachate from the Hewitt Landfill. The landfill gas does not appear to be releasing hazardous compounds into ground water.



will continue to monitor the lysimeters and will collect samples, if possible. If only a small amount of water is collected by the lysimeters, we will specify analysis on a priority basis. Purgeable priority pollutant analyses (EPA 624) will be done first (chloride, TDS, pH, and one or two metals). If a sufficient quantity of water remains, other parameters will be analyzed.

LEACHATE WELL ANALYSIS

Because the site is unlined and because it does not contain a leachate sump, leachate samples were not obtained. A leachate well that was drilled and constructed through refuse, encountered little decomposable waste in a black silty sand matrix. This material was slightly moist to moist and did not contain any leachate or free liquid of any kind. Data on the moisture content of the trash and matrix is found in Appendix E, along with construction details of the leachate well. The location of the leachate well is on Plate 1, Local Geology and Well Location.

AIR SWAT SUMMARY

As of the date of this report, the completed Air SWAT is not yet available. However, based on the results of the ground water analysis from other sites nearby, we can conclude that although landfill gas does affect water quality, we do not think that



TABLE 5
WATER QUALITY SUMMARY

| WELL | DATE | Cl (mg/l) | TDS (mg/l) | HCO ₃ (mg/l) | PCE (mg/l) | TCE (mg/l) | NO ₃ (mg/1) |
|---------------------------------|----------------|--------------|---------------|----------------------------|---------------|---------------|---------------------------|
| Ungradian | APR '88 | 27 | 320 | 290 | 2 | <1 | 21 |
| Upgradien (Well) | FEB '87 | 16 | 300 | 340 | 200 | 45 | 0.6 |
| | NOV '84 | 3.2 | 420 | 300 | 3 | _ | 15 |
| 4909C (Well 2) | APR '88 | 16 | 520 | 520 | <1 | <1 | 1.4 |
| | FEB '87 | 35 | 450 | 350 | 6 | 71 | 28 |
| Second Downgradi (Well 3) | APR '88 ent | 32 | 570 | 510 | <1 | <1 | 48 |

To insure a minimum thickness of one and a half inches around the instrument, silica flower mixed with distilled water was poured around the instrument, and frozen prior to installation. To facilitate sampling due to depth the lysimeter contains a transfer vessel.

Sampling was attempted on May 6, 1988, but failed because of lack of moisture. There may not be enough moisture in the alluvium to ever obtain a sample, because the average moisture content of the alluvium is between 3 and 8 percent. However, we



VOLATILE ORGANICS

Volatile organics are found in the upgradient and downgradient monitoring wells. The upgradient well had PCE levels of 200 mg/l in February 1987 that dropped to 2 mg/l in April 1988. Neither one of the downgradient wells show any traces of PCE or TCE during the April 1988 run. However, Well 4909C has 6 and 71 mg/l of PCE and TCE, respectively, during the February 1987 run. Elevated levels of volatile organics is a basin wide problem, whose source is probably careless disposal of industrial waste.

Table 5, Water Quality Summary, shows measured levels of several parameters tested.

VADOSE ZONE MONITORING

To satisfy SWAT requirements, two TIMCO teflon lysimeters were installed in boreholes that were drilled to 50 and 52 ft., respectively. However, we do not endorse the use of lysimeters in gravel. The location of the lysimeter holes is seen on Plate 1, Local Geology and Well Location Map. The lysimeters were installed upgradient and downgradient of the site to insure background sampling and sampling that will be influenced by the landfill. The lysimeter borehole logs and lysimeter construction details are located in Appendix D.

Inorganics

The inorganic constituents analyzed include pH, EC, NO_3 , Na, Cl, COD, Alkalinity, CO_2 , and TDS. According to reports by LADWP (1983), RWQCB (1975), and California Department of Water Resources (1969), landfills can affect inorganic water quality. The constituents affected are principally CO_2 , TDS, Cl, NO_3 , HCO_3 , and COD.

The following table shows the mineral quality objectives for the area of the Bradley West Landfill. The information is taken from the RWQCB Basin Plan (1975).

TABLE 4
MINERAL QUALITY OBJECTIVES FOR GROUND WATERS

| _ | Objective (mg/l) | | | |
|------------------------------|------------------|---------|----------|-------|
| San Fernando Subunit | TDS | Sulfate | Chloride | Boron |
| North Hollywood-Burbank Area | 600 | 250 | 100 | 1.5 |

The general mineral quality in the vicinity of landfill is within the RWQCB objectives. According to the RWQCB Water Quality Control Plan Report, "....the major threat to water quality is the gaseous product of decomposition. Carbon dioxide production is significant; the gas can migrate through the (unsaturated) soil and dissolve in the ground water resources... Leachate is generally high in BOD and TDS..."

1 1

Available water quality analyses for the McBride Well (4889) 3,000 feet upgradient, and the Hewitt upgradient well were reviewed and compared with water quality at the downgradient well. LADWP Well 3800C is reported to have good records of VOCs for several years. The McBride Well (4889) is downgradient of Sheldon-Arleta Landfill. The available analyses are attached in Appendix B. Water analyses including VOCs are available for several LADWP supply wells downgradient.

Preliminary review of the local water analyses shows that upgradient water has had high levels of PCE and TCE. These parameters have been present in Well 4909C and the upgradient well during the same sampling run in 1987, but were not present in the May 1988. Some of the parameters are higher upgradient and lower downgradient, then reverse in the next sampling run. There is no apparent decrease or increase in hardness attributable to landfill gas at the downgradient wells. This is consistent with an old landfill with declining gas production, particularly at the base of the fill. Plates 8 through 14 show results of concentrations of DCA, PCE, TCE, TDS, HCO₃, NO₃, and C1 listed next to the monitoring well locations.

SWAT SUMMARY

BACKGROUND WATER QUALITY

Background water quality was measured by examining the range of concentrations of major and minor ground water constituents. However, because the sampling for the SWAT program has been limited to one sampling run, conclusions are limited until more analyses are done. The second sampling run will be undertaken late June or early July. Water quality results are located in Appendix B. Sampling not under the SWAT Program was done on two prior occasions at the upgradient well, (Well 1) and on one prior occasion at Well 4909C (Well 2). The existing program requires analyses for the following parameters:

| <u>Parameters</u> | Units |
|--|-------|
| General Mineral Analysis (pH, EC, TDS, Cl, Na, NO ₃ , SO ₄ , CO ₂ , HCO ₃ , Ca, Mg, k) | mg/l |
| Metals | ug/l |
| EPA 624, 625 | ug/l |
| COD, TOX, Oil and Grease | mg/l |



TABLE 3
MONITORING WELL DATA

| CONSTRUCTION DETAILS | UPGRADIENT WELL (WELL 1) | 4909C (WELL 2) | SECOND DOWNGRADIENT WELL (WELL 3) |
|--------------------------------------|----------------------------------|--|--------------------------------------|
| Casing Diameter | 8" | 6" | 8" |
| Total depth (ft) | 290 | 500 | 348 |
| Casing Material | 0-120 Steel | 0-500 S | teel 0-100' Steel (16") |
| | 120-290 PVC | | 0-348 PVC (8") |
| Perforated Inter | rval 120-280 | 230-240 290-300 390-400 480-490 | |
| Filter Material | Pea gravel | Unknown | 3/8" Gravel |
| Depth and Composition of Seals | 0-109 Cement 109-110 Bentonit | Unknown ce | 0-100 Cement 100-123 Bentonite |
| Date Constructed | 11/1/84 | Unknown | 11/25/84 |
| Depth to Top of Packer | 267.42 | 329.00* | 269.00 |
| Depth to Water | 246.80 | 248.08 | 247.88 |
| Dates Samples | 1/8/84 2/27/87 4/4/88 | 2/27/87 4/26/88 | |
| Owner | CalMat | DWP | CalMat |

^{*} Packer set additional 20 Ft. below first perforated interval beyond water table to insure sample collection. See discussion under depth sampling procedure.

prefabricated shroud and rubber packer was attached beneath the 2 HP pump and 1 inch discharge pipe for each well.

The pump and packer assembly has been set approximately 20 feet below the water level surface, except in the case of Well 2 (4909C). This well has four perforated zones with concrete seals between each zone. The pump was set below the first perforated interval below the water table. During the sampling run it was discovered that the upper zones were not properly developed, as the well was pumped dry. With the permission of the well owner (DWP) the well pump was pulled and the well was redeveloped. The pump was reset in the well a little deeper than before, but not beyond the next perforated interval. The packer was inflated and the well was pumped greater than three volumes without running dry. Details of the packer setting are shown on Table 3. Well Completion Reports are found in Appendix C.

The well sampling starts with inflating the packer with compressed nitrogen to a predetermined pressure. The pump operates with power provided by a portable generator. Each well has three times its volume of water pumped out before samples are taken.



MONITORING WELLS

The following are all the monitoring wells for the site, along with a description of which area each is in the best position to monitor based on the flow directions:

| T.T. | 1 | ٦ |
|------|---|---|
| ne | T | ㅗ |

Area Monitored

Well #1
Well #2 (4909C)
Well #3 (Second
Downgradient Well)

Upgradient Downgradient

Downgradient

All wells have had a pump and packer assembly installed for sampling the top 20 feet of the water table. See Plate 7, Retrofit Packer Assembly For New and Existing Wells at Hewitt Landfill, for details.

DEPTH SAMPLING PROCEDURE

Discrete depth sampling was done for Wells 1 and 3 on April 4, 1988, and Well 2 on April 26, 1988.

At the request of the RWQCB the three monitoring wells to be used during the SWAT Program have been provided with a permanent submersible pump and inflatable packer, which allows for the discrete sampling of the upper 20 feet of water surface. A

GROUND WATER MOVEMENT

The movement of ground water in the vicinity of the site is from northwest to southeast. Because the site is not adjacent to the Verdugo Fault, the fault does not affect the flow directions. The Tujunga spreading grounds are located north-northwest of the site and are not directly upgradient of the site. However, under conditions of heavy water spreading, flow gradients in the vicinity of the site are probably affected. Plate 6, Ground Water Contours, Velocity, and Flow Direction, shows details of ground water elevations, velocity and flow direction.

SPRINGS

There are no known springs within a mile of the site or within the site itself. Ground water did occasionally appear in the bottoms of the deeper gravel pits when large amounts of water were spread during the Spring. This water was part of the ground water body, so its quality was the same as that of ground water.

ture of the USDA for local soils. CDMG (1980) considers soils of the Tujunga and Hanford series to represent the youngest alluvium in the valley.

Pleistocene Alluvium

All of the ground water used in the eastern San Fernando Subarea lies within the Pleistocene alluvium. This unit consists of over 2000 feet of sand, gravel and boulders with red clay lenses. Both alluvial units unconformably overlie the underlying bedrock.

PERMEABILITY TESTING

Permeability of the Pleistocene alluvium was evaluated during construction of Second Downgradient Well. The Holocene sand and gravel in the upper 100 ft. of sediments in the area, are in continuity with the Pleistocene alluvium aquifer.

During well development, a pump test was performed to estimate the transmissivity of the aquifer. The results of the pump test indicates a transmissivity of approximately 240,000 gallons per feet per day. The calculations for the above data are found in Appendix C, Well Completion Report for the second downgradient well.



Hewitt Landfill also received soil for daily cover of trash. It is estimated that soil used for cover constitutes 10 to 15 percent of the refuse volume.

HYDROLOGY

WATER-BEARING CHARACTERISTICS OF NATURAL MATERIALS

Most of the ground water within a mile of the site is within the Pleistocene alluvium. The Holocene alluvium is more than 100 feet above the perennial ground water surface. The Holocene alluvium transmits water to the Pleistocene alluvium during recharge events. The Miocene and pre-Cretaceous rocks beneath the alluvium are not used for water supply because they do not contain economically exploitable volumes of water.

Holocene Alluvium

The Holocene alluvium lies above the main waterbearing portion of the alluvium. The Holocene alluvium beneath Tujunga Wash is considered by the State Water Rights Board (p. xxxiii, 1962) to have the highest infiltration capacity in the San Fernando Valley. According to maps of the Los Angeles County Flood Control District, the soil type is 015, Tujunga fine sandy loam. The Los Angeles County Flood Control District uses the nomencla-



glass

manufactured rubber products

paper and paper products

market refuse

cloth and clothing

street sweepings

wood and wood products

garbage

lawn clippings, shrubbery

plaster

Although the site did not accept toxic material such as insecticides, poisons, or radioactive waste, some household waste items may have contained minor amounts of hazardous materials. Because of the manner and containers in which it was received, it would have been impossible to reject all of it. The potential amount of household waste containing hazardous compounds is small compared to the overall amount of waste received. The following list includes some of the items normally associated with household refuses:

pesticides

dry cell batteries

varnish

nail polish

dyes

paint

medicine

ink

crankcase oils

various spray cans containing chemicals



dering the south side of the landfill is the Southern Pacific Railroad Tracks. Laurel Canyon Boulevard borders the east side of the site, and the west side is bordered by light industrial. Plate 5, Land Use Map shows land use within one mile of the site.

Ground water in the vicinity of the site is used for municipal purposes. Because the San Fernando Valley is an adjudicated basin and water rights have been apportioned, future uses will be limited to shifting present uses. Some wells in the vicinity of the site have experienced contamination problems that do not appear related to the site. Compared with past experiences at the Sheldon Area Landfill, where contamination was found a mile downgradient, there are no reported landfill related problems with LADWP's supply wells 2000 feet downgradient.

WASTE CHARACTERISTICS

The site was open to the public for the disposal of waste between 1962 and November 12, 1975. The type of waste that was disposed of below elevations 555 to 560 was limited to solid inert materials. Waste disposed of above 555 to 560 ft. elevations consisted of solid commercial and residential waste and nonwater soluble, nondecomposable inert solid waste. This material consisted of some of the items below:

6

1 2

ii



the Pleistocene age fill west of Sepulveda Boulevard. The fault has no known effect east of Sepulveda Boulevard.

LAND AND WATER USE

The location of monitoring and water wells within about one mile of the site are shown on Plate 1, Local Geology and Well Location Map. There are no known oil or geothermal wells within one mile of the site. The names, owners and addresses (where known) of wells are listed on Table 1. The ownership and location of the wells were determined from well data at the Los Angeles County Flood Control District, Los Angeles Department of Water and Power, and review of published data from the California Regional Water Quality Control Board, and California Department of Water Resources.

The land use within one mile of the site is a mixture of agriculture, residential, and industrial-commercial. A residential tract is located along the east side of the northerly trending finger of the landfill, and along the west half of the north side of the main body of the landfill. Row crops have been grown along the north side of the landfill between the residential area and the small light industrial area along Laurel Canyon Blvd. We understand that this area will no longer be used for agricultural purposes, but will soon be developed for residential use. Bor-

ŧ .



fault cuts Pleistocene sediments, it does not appear to cut Holocene deposits.

There is no evidence that the ground water barrier formed by the Verdugo Fault extends into Holocene deposits of Tujunga Wash. There is no vegetation line or line of springs present on the 1908 USGS map of the vicinity which show predevelopment conditions. There is no topographic evidence of the fault in the alluvium. Based on the Pleistocene shears and the lack of observable Holocene offset, the fault is considered only potentially active and is not included in the state mandated Alquist-Priolo Special Studies Zone.

Northridge Hills Fault (Potentially Active)

The potentially active Northridge Hills Fault is located four and one-half miles to the northwest of the site and is shown on Plate 2, Regional Geology. Its location is primarily based upon numerous oil test holes that have been drilled in the Northridge Hills. Logs of these wells indicate that the Modelo Formation has been displaced between 500 and 1000 feet along the dip of the fault. The apparent movement along the fault has been dip-slip with the north block moving up. Sparse information indicates that it is a barrier to the movement of ground water in

| Acti | Lvity Clas | sification |
|------|------------|------------|
| and | Definitio | η |

Criteria Historic

Geologic

Seismologic

Active - a tectonic fault with a history of strong earthquakes or surface faulting, or a fault with a short recurrence interval relative to the life of the planned project. The recurrence interval used to define activity rate may vary according to the consequence of activity.

Surface faulting and associated strong earthquakes.
 Tectonic fault creep or geodetic evidence of fault displacement or deformation.

- ·

- Geologically young deposits cut by fault.
- (2) Youthful geomorphological features that are characteristic of geologically young displacements along the fault trace.
- (3) Ground water barriers in geologically young or unconsolidated deposits.

Earthquake epicenter can be assigned with confidence to the fault.

Potentially Active - a tectonic fault without historic surface offset, but with a recurrence interval that could be sufficiently short to be significant to the particular project.

No reliable report of historic surface faulting.

- Geomorphic features that are characteristic of active faults, but with subdued, eroded, and discontinuous form.
- (2) Faults not known to cut or displace youngest alluvial deposits, but offset older quaternary deposits.

(3) Water barriers in older deposits.

(4) Geological setting in which the geometry in relation to active or potentially active faults suggests similar degree of activity. Alignment of some earthquake epicenters along or near fault, but assigned locations have low degree of confidence in location.

Activity Uncertain a fault with insufficient
evidence to define past
activity or recurrence
interval. The following
classifications can be
used until the results of
additional studies provide
definitive evidence.

Available information is insufficient to provide criteria that are sufficiently definitive to establish fault activity. This lack of information may be due to the inactivity of the fault or to lack of investigations needed to provide definitive criteria.

Tentatively Active - predominant evidence suggests that the fault may be active even though its recurrence interval is very long or poorly defined.

Available information suggests evidence of fault activity, but evidence is not definitive.

Tentatively Inactive - predominant evidence suggests that fault is not active.

Available information suggests evidence of fault inactivity, but evidence is not definitive.

Inactive - A fault along which it can be demonstrated that surface faulting has not occurred in the recent past, and that the requirement interval is long enough not to be of significance to the particular project.

No historic activity.

Geomorphic features characteristic of active fault zones are not present and geological evidence is available to indicate that the fault has not moved in the recent past and recurrence is not likely during a time period considered significant to the site. Should indicate age of last movement: Holocene, Pleistocene, Quaternary, Tertiary, etc.

Not recognized as source of earthquakes.



Nearby faults include the active San Fernando Fault Zone, the potentially active Verdugo Fault and the Northridge Hills Fault. Table 2 gives criteria for fault activity classification. Plate 3, Regional Seismicity, shows major faults and earthquake epicenters in Southern California. Plate 4, Geologic Sections, shows lithology and structural features for sections through the site.

San Fernando Fault Zone (Active)

The nearest Alquist-Priolo Special Studies Zone is along the San Fernando Fault northeast of the site. The Tujunga segment of the fault is 4.3 miles northeast of the site. The latest major activity on the fault was the magnitude 6.4 earthquake of February 9, 1971. The earthquake produced accelerations of about 0.5g at the site, but did no observable damage.

<u>Verdugo Fault (Potentially Active)</u>

The trace of the Verdugo Fault is located approximately 1.8 miles northeast of the site, as shown on Plate 1. The fault forms a barrier to ground water within the Pleistocene deposits. This offsets the water levels north of the fault by over 100 feet. The fault has been mapped on the surface in northeastern Glendale and at scattered locations in Burbank. Although the



Basement Complex

pre-Cretaceous crystalline and metamorphic rocks occur beneath all the waterbearing deposits of the basin are called the basement complex. These rocks are mostly granitic rocks with intrusive dikes which were locally metamorphosed to schists and gneisses. They form the main mass of the San Gabriel Range to the north and Verdugo Mountains to the east.

Although these rocks are poor aquifers, they are recharge areas. They have about one percent primary porosity, but are fractured, weathered and jointed. This secondary porosity allows the basement rocks to act as limited recharge areas where exposed to rainfall in the hill and mountain areas.

GEOLOGIC STRUCTURE

The geologic structure near and beneath the site includes bedding, unconformities, and faults. The Holocene and Pleistocene alluvial fan and stream deposits have crude horizontal stratification with weakly developed bedding. A major unconformity is found at the contact between Pleistocene alluvium and the older granitic and sedimentary rocks. None of the monitoring wells encountered the underlying bedrock.



The Pleistocene deposits consist of brownish to orange-grey silty, subangular sand, cobbles and boulders. The rock types are similar to the younger materials, so the regional topography and drainage were probably similar during the respective depositional periods. The environment of deposition, as indicated by grain size distribution and bedding, does not change through the sequence. The only difference between the Holocene and Pleistocene alluvium seems to be a difference in the amount of weathering.

Miocene Sedimentary Rocks

The Miocene sedimentary rocks include the middle Miocene Toganga Formation and the upper Miocene Modelo Formation. Both formations consist of marine shales, siltstones, sandstones and some conglomerates. The Topanga Formation also contains volcanic flows and breccias. Some of these older sediments make up the west abutment of Hansen Dam, located 4 miles to the north-north-east. The Miocene Formations are present deep beneath Hansen Dam, in the Shadow Hills area to the northeast (Read, 1943), and in the Pacoima Hills. These rocks are not used for water supply in the San Fernando Valley, and were not considered part of the waterbearing sequence by the State Water Rights Board (1962).



Holocene Alluvium

The Holocene alluvial deposits of the eastern San Fernando Subarea consist of poorly bedded alluvial fan deposits left by washes draining Tujunga and La Tuna Canyons. The alluvial fan deposits are mainly accumulations of light grey subangular boulders, gravels, and sands. Typical alluvial fan deposits are coarsest near the canyon mouths and become finer farther away. The deposits are uncemented, but are so tightly packed that they stand at 1:1 or steeper slopes. The Holocene deposits are approximately 75 to 100 feet thick. These deposits are highly permeable, but are high above the water table and do not hold significant amounts of water.

Upper Pleistocene (Older) Alluvium

The older alluvium is also made of alluvial fan sediments left by older streams having nearly the same source areas as the present streams. Like the Holocene alluvium, these deposits are also crudely horizontally stratified. There is no associated change in materials at the transition between the Holocene deposits and the Pleistocene alluvium. The stratification is based on a slight color change between the light grey upper sediments and the light orange-brown to reddish-grey older sediments.



from the eastern portion is coarser grained material that transmits water at relatively higher rates. The coarser grained material is eroded from granitic basement complex of the San Gabriel and Verdugo Mountains. The site is located in the coarse grained eastern portion of the Valley.

The alluvium filling the San Fernando Subarea is Pleistocene and Holocene age. The material was transported and deposited by Tujunga Wash. The alluvium covers Upper Miocene age Modelo Formation and the middle Miocene Topanga Formation. These Miocene sedimentary rocks in turn cover the pre-Cretaceous age crystalline and metamorphic basement complex rocks. Plate 2, Regional Geology, shows general geology over a wide area surrounding the site.

GEOLOGIC MATERIALS

The geologic units found in the eastern San Fernando Subarea are, from youngest to oldest: 1) Holocene alluvium, 2) upper Pleistocene (older) alluvium, 3) Miocene sedimentary formations, and 4) pre-Cretaceous crystalline and metamorphic rocks. The geologic units are described briefly as follows:



GEOLOGY

GENERAL

The site is located in the northeast quarter of the San Fernando Valley Basin. The San Fernando Valley is an elliptical alluvium-filled extensional basin, approximately 23 miles long and 12 miles wide. Alluvium has been deposited from streams and rivers that have carried erosional debris from surrounding upland areas. The valley is an extensional basin within the Transverse Ranges Geomorphic Province. This valley has several hydrogeologic subareas based on physiographic and geologic features. The site is located within the San Fernando Subarea, which is subjacent to all the other subareas, and receives surface drainage from each of them.

The San Fernando Subarea is separated from the other subareas by folds and faults, alluvial constrictions, or man-made works. All but 9% of the Upper Los Angeles River Ground Water Basin is included in the subarea. The San Fernando Subarea is divided into eastern and western units based on grain size. The valley alluvium of the western portion is fine grained material that transmits water at relatively slow rates. It is derived from surrounding sedimentary rock, whereas the valley alluvium

Table 1 WATER WELLS (continued)

| Well No. | | Top 1 | Bottom | | Interval | | | | Seal | | W.Q.* | Owner |
|---------------------------------|----------|--------|--------|----------|--|-------------|---------|------------|-------------------------|-----------|-----------|---------------------|
| | Depth | Diam. | Diam. | Drilling | Perforated | Drilling | Year | Well | Depth | Log | Analysis | |
| | (ft) | (in) | (in) | Method | Depth (ft) | Contractor | Drilled | Use | (ft) | Existence | Available | |
| 4899 | 290 | 12 1/2 | 12 1/2 | Rotary | 120 - 280 | Howard Pump | 1984 | Monitoring | | 0 Yes | Yes | CalMat |
| 4918A | 500 | 6 | 6 | Rotary | 230 - 240 | Cofferdam | 1985 | Monitor | ? | Yes | Yes | L.A. DWP |
| | | | | | 300 - 310 | Unwatering | | | | | | |
| 4927 | 375 | 8 | 8 | Rotary | 175 · 375 | Howard Pump | 1984 | Monitoring | 0 - 14 | 5 Yes | Yes | L.A. By Products |
| 4928A | 452 | 8 | 8 | Rotary | 224 - 433 | Howard Pump | 1984 | Monitoring | 0 - 10 | 0 Yes | Yes | L.A. By Products |
| 4928B | 362 | 8 | 8 | Rotary | 161 - 362 | Howard Pump | 1984 | Monitoring | 0 - 13 | 8 Yes | Yes | L.A. By Products |
| Penrose #5 | 370 | 8 | 8 | Rotary | 160 - 369 | Howard Pump | 1988 | Monitoring | 0 - 3 5 145 - | | Yes | L.A. By Products |
| Tuxford #6 | 359 | 8 | 8 | Rotary | 160 - 358 | Howard Pump | 1988 | Monitoring | 0 - 50 145 - | | Yes | L.A. By Products |
| Tuxford #7 | 379 | 8 | 8 | Rotary | 160 - 375 | Howard Pump | 1988 | Monitoring | 0 - 40 145 - | | Yes | L.A. By Products |
| Newberry #8 | 377 | 8 | 8 | Rotary | 160 - 375 | Howard Pump | 1988 | Monitoring | 0 - 40 145 - | | Yes | L.A. By Products |
| 4909c | 500 | 6 | 6 | ? | 230 - 240 290 - 300 390 - 400 480 - 490 | ? | 1984 | Monitoring | ? | Yes | Yes | L.A. DWP |
| Second Downgradien Hewitt | 348 t | 8 | 8 | Rotary | 138 - 348 | Howard Pump | 1987 | Monitoring | 0 - 12 | 3 Yes | Yes | CalMat |



| | | | | | | (continu | ed) | | | | | |
|----------|-------|-----------|--------|-----------|------------|----------------|---------|-------------|-------|-----------|-------------|---------|
| Well No. | | Тор | Bottom | | Interval | | | | Seal | | W.Q.* | Owner |
| | Depth | Diam. | Diam. | Drilling | Perforated | Drilling | Year | Well | Depth | Log | Analysis | |
| | (ft) | (in) | (in) | Method | Depth (ft) | Contractor | Drilled | Ușe | (ft) | Existence | Available . | |
| 919 | 197 | 12 | 12 | ? | ? | ? | ? | None - | | No | No | ? |
| | | | | | | | | Destroyed | | | | |
| | | | | | | | | or Collapse | d | | | |
| | | | | | | | | Casing | | | | |
| 919A | 128 | ? | ? | ? | ? | ? | 1934 | Domestic | ? | No | No | ? |
| 919B | 156 | ·6 | ? | Excavate | d | A.R. Tomson | 1948 | Observation | ? | No | No | ? |
| 49190 | | | No In | formation | | | | | | | | ? |
| 4929 | 731 | 20 | 20 | ? | 200 - 214 | C.A. Tomson | 1983 | None Capped | ? | Yes | Yes | ? |
| | | | | | 264 - 217 | | | | | | | |
| | | | | | 350 - 473 | | | | | | | |
| | | | | | 487 - 502 | | | | | | | |
| | | | | | 562 - 572 | | | | | | | |
| | | | | | 586 - 638 | | | , | | | | |
| | | | | | 658 - 714 | | | | | | | |
| 4909 | No Ir | formation | on . | | | | | None - | ? | | | ? |
| | | | | | | | | Destroyed | | | | |
| | | | | | | | | 11/24/50 | | | | |
| 4909A | 254 | 16 | 16 | ? | ? | So. Calif. | 1924 | Destroyed | ? | Yes | No | ? |
| | | | | | | Drilling Co. | | 1944 | | | | |
| 4909B | 326 | 16 | 16 | ? | 230 - 270 | Saunders Bros. | 1952 | Sand & | ? | Yes | No | ? |
| | | | | | 300 - 314 | | | Gravel | | | | |
| | | | | | | | | Washing | | | | |
| 4918 | 365 | 9 | 9 | Rotary | 164 - 365 | Howard Pump | 1984 | Monitor 0 - | 156 | Yes | Yes | L.A. By |
| | | | | | | | | | | | | Product |
| 4918A | 5001 | 6 | 6 | Rotary | 230 - 240 | | | Monitoring | ? | Yes | Yes | DWP |
| | | | | | 300 - 310 | | | | | | | |

390 - 410 480 - 490



Page 14

Table 1 WATER WELLS (continued)

| Well No. | | Top | Bottom | | Interval | | | | Seal | * | W.Q.* | Owner |
|----------|-------|----------|-----------|----------|---|--------------------------------|---------|-----------------------------|---------------------------------------|-------------|-----------|----------------------|
| | Depth | Diam. | Diam. | Drilling | Perforated | Drilling | Year | Well | Depth | Log | Analysis | |
| | (ft) | (in) | (in) | Method | Depth (ft) | Contractor | Drilled | Use | (ft) | Existence | Available | |
| 38208 | N | o Inform | nation | | | | 1930 | Municipal Supply | | Information | | ? |
| 3820C | N | o Inform | nation | | | L.A. Water Department | 1930 | Municipal Supply | No | Information | | L. A. Water Dept. |
| 38200 | N | o Inform | nation | | | L.A. Water Department | 1930 | Municipal Supply | No | Information | | L. A. Water Dept. |
| 3820E | 512 | 20 | 20 | ? | 150 - 175 185 - 204 232 - 274 284 - 369 501 - 509 | L.A. Water Department | 1951 | Municipal Supply | ? | Yes | No | L. A. Water Dept. |
| 3820F | 780 | 20 | 20 | ? | ? | L.A. Water Department | 1959 | Municipal Supply | ? | Yes | No | L. A. Water Dept. |
| 3820G | | N | lo Inform | ation | | | | | · · · · · · · · · · · · · · · · · · · | | | ? |
| 4895B | | N | lo Inform | ation | | | | | | | | ? |
| 4897 | 450 | 20 | ? | | | L.A. Dept. of Water & Power | 1932 | Monitoring | ? | Yes | Yes | L. A. |
| 4897A | 370 | 8 | 8 | ? | 60 - 75 90 - 105 130 - 145 180 - 370 | L.A. Dept. of Water & Power | 1963 | Ground Water Observation | | Yes | Yes | ? |
| 4889 | 148 | ? | ? | ? | ? | C.E. Tomson | 1916 | ? | ? | Yes | No | ? |
| 4898 | 363 | 20 | 20 | ? | 250 - 330 | L.A. Dept. of Water & Power | 1974 | ? | ? | Yes | Yes | ? |



Table 1
WATER WELLS
(continued)

| Well No. | Depth (ft) | Top Diam. (in) | Bottom Diam. (in) | Drilling Method | Interval Perforated Depth (ft) | Drilling Contractor | Year Drilled | Well Use | Seal Depth (ft) | Log Existence | W.Q.* Analysis Available | Owner |
|----------|---------------|----------------------|-------------------------|--------------------|---|-------------------------------|-----------------|---------------------|-----------------------|------------------|--------------------------------|-------|
| 3811B | ? | 7 | 7 | No Inf | ormation | | | | | | | ? |
| 3811C | ? | 12 | 12 | ? | ? | ? | ? | Capped 4/59 | ? | No | No | ? |
| 3811D | N | o Infor | nation | | | | | Destroyed 1924 | No | Information | | ? |
| 3811E | 248 | 8 | 8 | ? | 110 - 147 168 - 178 182 - 226 | Elmer A. Buss | 1945 | Observation | 7 | Yes | No | ? |
| 3811F | 632 | 20 | 20 | ? | 204 - 214 270 - 313 365 - 380 425 - 446 447 - 491 522 - 542 555 - 600 | C.A. Tomson H.E. Bredehoft | 1953 | Municipal Supply | ? | Yes | No | 7 |
| 3811G | 601 | 20 | 20 | ? | 190 - 227 274 - 319 344 - 352 360 - 367 407 - 427 445 - 461 543 - 549 | C.A. Tomson H.E. Bredehoft | 1953 | Municipal Supply | ? | Yes | No | ? |
| 3820 | ? | ? | ? | ? | ? | C.A. Tomson Supply | ? | Municipal | ? | No | No | ? |
| 3820A | ? | ? | ? | ? | ? | ? | 1915 | Destroyed 7/50 | ? | No | No | ? |



Table 1 WATER WELLS (continued)

| Well No. | | Тор | Bottom | | Interval | | | | Seal | | W.Q.* | Owner |
|----------|------------|-------|--------|----------|------------|----------------|---------|-------------------|-------|-----------|-----------|----------------|
| | Depth | Diam. | Diam. | Drilling | Perforated | Drilling | Year | Well | Depth | Log | Analysis | |
| | (ft) | (in) | (in) | Method | Depth (ft) | Contractor | Drilled | Use | (ft) | Existence | Available | |
| 3810R | 738 | 20 | 20 | Cabl e | 280 - 406 | L.A. Dept. of | 1970 | Municipal | ? | Yes | No | L.A. DWP |
| | | | | Tool | 448 - 460 | Water & Power | | Supply | | | | |
| | | | | | 494 - 497 | | | | | | | |
| | | | | | 503 - 522 | | | | | | | |
| | | | | | 533 - 538 | | | | | | | |
| 3810s | 414 | 20 | 20 | ? | 110 - 142 | So. Calif. | 1924 | Municipal | ? | Yes | No | ? |
| | | | | | 162 - 221 | Drilling | | Supply | | | | |
| | | | | | 245 - 288 | Company | | | | | | |
| | | | | | 297 - 391 | | | | | | | |
| 3810T | 687 | 20 | 20 | ? | 205 - 222 | L.A. Dept. of | 1963 | Municipal | ? | Yes | No | L.A. DWP |
| | | | | | 250 - 280 | Water & Power | | Supply | | | | |
| | | | | | 327 - 389 | | | | | | | |
| | | | | | 405 - 413 | | | | | | | |
| | | | | | 422 - 433 | | | | | | | |
| 3800C | 555 | 20 | 20 | ? | 206 - 246 | H.E. Bredehoft | 1954 | Municipal | ? | Yes | No | ? |
| | | | | | 260 - 283 | | | Supply | | | | |
| | | | | | 318 - 338 | | • | | | | | |
| | | | | | 338 - 410 | | | | | | | |
| | | | | | 464 - 508 | | | | | | | |
| | | | | | 514 - 534 | | | | | | | |
| 38000 | 770 | 20 | 20 | ? | 255 - 275 | L.A. Water | 1962 | ? | ? | Yes | No | L. A. |
| | | | | | 318 - 396 | District | | | | | | Water District |
| | | | | | 573 - 583 | | | | | | | |
| | | | | | 645 - 676 | | | | | | | |
| 3811 | 90 | ? | ? | ? | ? | C.E. Tomson | 1916 | Destroyed 7/50 | ? | No | No | ? |
| 3811A | 9 6 | ? | ? | ? | ? | ? | | Destroyed 3/50 | ? | No | No | ? |



Table 1

| | | | | | | (continue | | | | | | |
|----------|-------|--------------|-----------------|---------------|--|--------------------------------|-----------------|---------------------|---------------|------------------|-----------------|----------|
| | Depth | Top Diam. | Bottom Diam. | Drilling | Interval Perforated | Drilling | Year | Well | Seal Depth | Log | W.Q.* Analysis | Owner |
| Well No. | (ft) | (in) | (in) | Method | Depth (ft) | Contractor | Drilled 1062 | Use | (ft) | Existence Yes | Available No | L.A. DWP |
| 3810K | 812 | 20 | 20 | Cable Tool | 250 - 258 292 - 392 535 - 603 631 - 660 710 - 760 | L.A. Dept. of Water & Power | 1962 | Municipal Supply | 7 | Tes | NO | L.A. DWF |
| 3810L | 714 | 20 | 20 | ? | ? | L.A. Dept. of Water & Power | 7 | Municipal Supply | ? | Yes | No | L.A. DWP |
| 3810M | 822 | 20 | 20 | Cable Tool | 300 - 395 435 - 443 475 - 510 565 - 625 650 - 692 736 - 795 | L.A. Dept. of Water & Power | 1968 | Municipal Supply | ? | Yes | Yes | L.A. DWP |
| 3810N | 855 | 20 | 20 | Cable Tool | 300 - 305 333 - 395 423 - 484 490 - 515 550 - 620 | L.A. Dept. of Water & Power | 1969 | Municipal Supply | ? | Yes | Yes | L.A. DWP |
| 3810P | 865 | 20 | 20 | Cable Tool | 308 - 323 328 - 407 418 - 425 435 - 448 514 - 575 | L.A. Dept. of Water & Power | 1970 | Municipal Supply | ? | Yes | Yes | L.A. DWP |
| 3810Q | 640 | 20 | 20 | Cable Tool | 248 - 275 280 - 346 358 - 400 420 - 454 480 - 520 | L.A. Dept. of Water & Power | 1970 | Municipal Supply | ? | Yes | Yes | L.A. DWP |



Table 1
WATER WELLS
(continued)

| | | Тор | Bottom | | Interval | (continued) | | | Seal | | W.Q.* | |
|----------|-------|-----------|--------|----------|---|------------------|---------------------|--------------------------|-------|-----------|-------------------|-------|
| | Depth | Diam. | Diam. | Drilling | Perforated | Drilling | Year | Well | Depth | Log | w.w." Analysis | |
| Well No. | (ft) | (in) | (in) | Method | Depth (ft) | Contractor | Drilled | Use | (ft) | Existence | Available | Owner |
| 3810 | 495 | 20 | 20 | ? | ? | ? | Prior to 1924 | Municipal Supply | ? | Yes | No | ? |
| 3810A | 465 | ? | ? | ? | 110 - 225 245 - 302 327 - 392 | ? | ? | Municipal Supply | ? | Yes | No | ? |
| 3810B | 419 | ? | ? | ? | 120 - 149 155 - 181 185 - 214 220 - 265 320 - 387 | H.E. Bredehoft | 1947 | Municipal Supply | ? | Yes | No | ? |
| 3810C | No In | formation | n | | | | | | | | | ? |
| 38100 | No In | formatio | n | | | | | | | | | ? |
| 3810E | No In | formation | n | | | | | Destroyed 7/50 | | | | ? |
| 3810G | 150 | 20 | 20 | ? | ? | ? | ? | Casing Sealed 4/66 | ? | No | No | ? |
| 3810н | 350 | 12 | 12 | ? | ? | ? | ? | Capped 7/66 | ? | No | No | ? |
| 3810J | 150 | 20 | 20 | ? | 80 - 150 | M.R. Peck & Sons | 1957 | None - Sealed 4/66 | ? | Yes | No | ? |



| | | Top | Bottom | | Interval | | | | Seal | | W.Q.* | |
|----------------|-------|-----------|-----------|---------------------------------|--|--|-------------|---------------------------|---------|-------------|-----------|-----------|
| | Depth | Diam. | Diam. | Drilling | Perforated | Drilling | Year | Well | Depth | Log | Analysis | |
| Pell No. | (ft) | (in) | (in) | Method | Depth (ft) | Contractor | Drilled | Use | (ft) | Existence | Available | Owner |
| 3790F | 570 | 20 | 20 T∞l | Cable 198 - 340 348 - 376 | 160 - 187 | L.A. Dept. of Water & Power Municipal Supply | 1958 | L.A. Dept. Water & Pow | ? ær | Yes | Yes | L. A. DWP |
| | | | | 412 - 445 465 - 540 | | mariorpat suppry | | | | | • | |
| 790G | 760 | 20 | 20 | ? | ? | L.A. Dept. of Water & Power | 1964 | None Capped 4-64 | ? | Yes | ? | L. A. DWP |
| 3790н | 802 | 20 | 20 | ? | 265 - 370 432 - 462 502 - 648 700 - 720 | L.A. Dept. of Water & Power | 1967 | ? | ? | Yes | ? | L. A. DWP |
| 790J | No In | formatio | n | | | | | | | | Yes | ? |
| 3791 | 91 | 8 | 8 | No inform | ation | | | | | | Yes | ? |
| 3791A | No Ir | formatio | on | | | | | Destroyed 1950 | No | Information | | ? |
| 3 <i>7</i> 918 | No 1r | nformatio | on . | | enterente de la composition de la contraction de la contraction de la contraction de la contraction de la cont | | | Destroyed 1950 | No | Information | | ? |
| 3800 | 393 | 20 | 20 | ? | 105 - 135 172 - 276 282 - 309 318 - 374 | So. California Drilling Co. | 1924 | Domestic & Irrigation | | No | No | ? |
| 3800A | 583 | 16 | 16 | ? | 160 - 535 | F.E. Griswold | 1924 | Municipal Supply | ? | No | No | ? |
| 3801 | 109 | 7 | 7 | ? | ? | ? | Prior to | Abandoned | ? | No | No | ? |



| Well No. | Depth (ft) | Top Diam. (in) | Bottom Diam. (in) | Drilling Method | Interval Perforated Depth (ft) | Drilling Contractor | Year Drilled | Well Use | Seal Depth (ft) | Log Existence | W.Q.* Analysis Available | Owner |
|----------|---------------|----------------------|-------------------------|--------------------|--|--------------------------------|-----------------|---------------------|-----------------------|------------------|--------------------------------|--------------|
| 3780 | 225 | 16 | 16 | ? | ? | ? | | None | ? | No | No | ? |
| 3780A | 597 | 20 | 20 | ? | ? | City of Los Angeles | 1929 | None | ? | Yes | No | City of L.A. |
| 3780B | 145 | 3/4 | ? | ? | ? | ? | 1929 | None- capped | ? | No | No | ? |
| 3780C | 787 | ? | ? | ? | ? | L.A. Dept. of Water & Power | 1963 | Municipal Supply | ? | Yes | No | L.A. DWP |
| 3790 | 375 | 20 | 20 | ? | ? | ? | 1924 | Destroyed 1959 | ? | Yes | No | ? |
| 3790A | 546 | 20 | 20 | ? | ? | City of Los Angeles | 1929 | Destroyed 1959 | ? | ? | No | City of L.A. |
| 3790B | 467 | ? | ? | ? | ? | City of Los Angeles | 1931 | Municipal Supply | ? | ? | No | City of L.A. |
| 3790C | 494 | 20 | 20 | ? | 166 - 178 200 - 225 250 - 266 274 - 304 308 - 366 421 - 460 | E.A. Buss | 1948 | ? | ? | Yes | НО | ? |
| 37900 | 481 | 20 | 20 | ? | 222 - 298 367 - 298 432 - 460 | L.A. Dept. of Water & Power | 1951 | Municipal Supply | ? | Yes | No | L.A. DWP |
| 3790E | 596 | 20 | 20 | ? | 220 - 262 275 - 370 418 - 452 | Fred Aleanter | 1959 | Municipal Supply | ? | Yes | No | ? |



1. 2



in contact with ground water would cause increase in ${\rm CO_2}$, hardness, soluble gases, odor, and create an anaerobic environment. Anaerobic bacteria consume nitrate and sulfate that may be present in ground water. The Air Quality SWAT is being done by others. Analyses of landfill gas are present in Appendix C. The analytical results are discussed later in this report.

TOPOGRAPHY AND DRAINAGE

Generally, the natural ground slopes about two percent to the south, but drainage has been altered locally by road building. The topography at the landfill is shown at a scale of 1" = 1000' on Plate 1, Local Geology and Well Location Map. Table 1, Water Wells, lists wells located within one mile of the site and available well information.

Natural drainage direction in the area is to the south; however, no runoff enters the landfill from off-site or leaves the site, so that only rain that falls on the site can percolate. Much of the soil used for cover was fine-grained with a relatively low permeability. Additionally, a large portion of the site is paved with asphalt. Therefore, due to lower permeability soils and asphalt, much of the water from precipitation leaves the site by evaporation.



cover is fine grained and relatively impermeable. Since the Waste Discharge Requirements stated that nonwater soluble non-decomposable inert waste be deposited below elevation 655 and that decomposable commercial residential refuse be deposited above that elevation, the site was designed to prevent possible inundation of decomposable waste by ground water. Because the San Fernando Valley is an adjudicated basin, the water demand is expected to continue at current or higher levels, eliminating any potential threat of ground water inundation. Drilling in the refuse indicated that it was dry to moist, and that no free water was present in isolated pockets or lenses perched above the water table. See Appendix E for results of refuse moisture content sampling.

Leachate characteristics at landfills vary widely and no general method has been developed to predict the exact composition which may be produced in a particular fill. In general, leachate in ground water would be expected to increase chloride and other minerals, TDS, COD and alkalinity.

Decomposition of non-hazardous solid wastes in the landfill produces gas that is chiefly methane and carbon dioxide. Methane is generally of little influence on ground water quality. The landfill has an extensive gas recovery system. In general, gas



and for an auto, recreational vehicle, and boat storage yard business.

EFFECT OF SITE ON GROUND WATER

Only non-hazardous solid waste and inert waste were permitted in the landfill. No liquid or hazardous wastes were accepted. Decomposition of non-hazardous solid wastes in landfills produces gas and, where water is present, leachate is also produced. Leachate is liquid that has percolated through solid waste and has extracted, dissolved or suspended material from it.

Ground water would be affected if leachate reaches it; ground water or surface water in contact with non-hazardous solid wastes would facilitate production of leachate. Water quality could also be affected by landfill gas in contact with ground water.

In general, the more water flowing through non-hazardous solid wastes in a landfill, the greater the amount of pollutants that will be leached. However, concentration of leachate depends on dilution and solubility of the waste materials, and decreases with time. There is no indication that any appreciable amount of water has infiltrated the landfill to generate leachate. Rainfall is low, drainage is controlled, and soil used for landfill

į



Our study included review of well data at the Los Angeles County Flood Control District office, and a review of published data from the California Department of Water Resources and the California Regional Water Quality Control Board. This report is based on available information from site records, operators, and agency files. No warranty as to the completeness or accuracy of these accounts is made.

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable geologists practicing in this or similar localities. No other warranty, expressed or implied, is made as to the professional advice included in this report.

SITE CHARACTERISTICS

The Hewitt Landfill is located at 7361 Laurel Canyon Boulevard, North Hollywood District, City of Los Angeles, California. The site is owned by CalMat Company, but the landfill was operated by Los Angeles By-Products Company. The site is located in Section 1, Township 1N, Range 15W, in Section 36, Township 2N, Range 15W. The site is shown on Plate 1, Local Geology and Well Location Map. The site has not received refuse since its closure in 1975; the land is currently used for Cal-Mat Self-Storage



also been prepared in accordance with the Solid Waste Assessment Test Guidance document prepared by State Water Resources Control Board dated October 1986.

The additional monitoring work performed thus far for this SWAT program include:

- 1) Construction of one downgradient monitoring well
- 2) Collection and analysis of ground water samples from three monitoring wells, which were obtained during the month of April 1988. A pump with an inflatable packer was employed to insure depth specific samples.

 Analyses are included in Appendix B.
- Construction and installation of two lysimeters for vadose zone monitoring.
- 4) Construction and installation of one leachate well.

For this study we obtained data for wells within a one-mile radius of the site. We also determined the ownership of the wells, the depth of presently existing wells in the vicinity of the landfill, and available background water quality data.



SOLID WASTE ASSESSMENT TEST REPORT - WATER HEWITT LANDFILL

NORTH HOLLYWOOD DISTRICT, LOS ANGELES, CALIFORNIA

FOR

CALMAT COMPANY

PROJECT NO. 58-7057

SCOPE

This report presents the Solid Waste Water Quality Assessment Test - Water (SWAT) for the Hewitt Landfill. This report includes the results of the vadose zone and ground water monitoring program as required by Assembly Bill No. 3525 (Calderon Act). Because there has not been a full year of monitoring since the SWAT proposal was approved (before the SWAT report deadline), we will continue quarterly sampling for the remainder of 1988 and for one quarter in 1989. Submitted with this report are the results of the April, 1988 monitoring.

This program was approved by the Regional Water Quality Control Board (RWQCB) on November 2, 1987. It has been prepared in accordance with the SWAT proposal and related correspondence for the site. The SWAT proposal (our Project No. 58-7057), which was submitted on March 31, 1987 is in the RWQCB file. Related correspondence are included in Appendix A of this report. Site information is included in the SWAT proposal. This report has



| CONCI | Hazardous Materials on Site | 39 39 40 |
|---------------|---|----------------|
| REFE | RENCES | 41 |
| | TABLES | |
| | | |
| 1 2 | Water Wells | 15 |
| 2 | with Regard to Seismic Activity | 22 |
| 3 | Monitoring Well Data | 3 2 3 5 |
| 4 5 | MINEIGI Oddies objective in the second | 37 |
| | <u>PLATES</u> | |
| 1 | Local Geology and Well Location Map | |
| 2 | Regional Topography | |
| 3 | Regional Seismicity | |
| 4 | Geologic Sections | |
| 5 | Land Use Map | |
| 6 | Water Contours, Velocity, and Direction | |
| 7 | Retrofit Packer Assembly | |
| 8 | DCA Concentration | |
| 9 | PCE Concentration | |
| 10 | TCE Concentration | |
| 11 | TDS Concentration | |
| 12 | HCO ₃ Concentration | |
| 13 | HO ₃ Concentration | |
| 14 | C1 Concentration | |
| | | |
| | <u>APPENDICES</u> | |
| A. | Related Correspondence | |
| В. | Water Analysis & Gas Analysis | |
| c. | Well Completion Reports | |
| D. | Lysimeter Well Logs and Construction Details | |
| E. | Leachate Well Logs, and Refuse Moisture Content | |

Brown



TABLE OF CONTENTS

| <u>TEXT</u> | PAGE | NO. |
|-------------------------------------|------|-----|
| SCOPE | 1 | |
| SITE CHARACTERISTICS | 3 | |
| Effects of Site on Ground Water | 4 | |
| Topography and Drainage | 6 | |
| ropograpmy and brainage | 0 | |
| GEOLOGY | 16 | |
| General | 16 | |
| Geologic Materials | 17 | |
| Holocene Alluvium | 18 | |
| Upper Pleistocene (older) Alluvium | 18 | |
| Miocene Sedimentary Rocks | 19 | |
| Basement Complex | 20 | |
| Geologic Structure | 20 | |
| San Fernando Fault Zone | 21 | |
| Verdugo Fault Zone | 21 | |
| Northridge Hills Fault (Potentially | | |
| Active) | 23 | |
| Land and Water Use | 24 | |
| WASTE CHARACTERISTICS | 25 | |
| HYDROLOGY | 27 | |
| Water-Bearing Characteristics of | -, | |
| Natural Materials | 27 | |
| Holocene Alluvium | 27 | |
| Pleistocene Alluvium | 28 | |
| Permeability Testing | 28 | |
| Ground Water Movement | 29 | |
| Springs | 29 | |
| Monitoring Wells | 30 | |
| Depth Sampling Procedure | 30 | |
| | | |
| SOLID WASTE ASSESSMENT TEST SUMMARY | 33 | |
| Background Water Quality | 33 | |
| Inorganics | 35 | |
| Volatile Organics | 36 | |
| Vadose Zone Monitoring | 36 | |
| Leachate Analysis | 38 | |
| ATD CWAT CHMMADV | 2.0 | |



June 6, 1988

3420 N. SAN FERNANDO BLVD. SUITE 200 **BURBANK, CALIFORNIA 91504** 818-848-0214 PANAFAX 818-848-1674

CalMat Properties 3200 San Fernando Road Los Angeles, California 90065

Project No. 58-7057

Attention: Mr. George Cosby

Gentlemen:

SWAT REPORT FOR HEWITT LANDFILL (CLOSED)

North Hollywood District

City of Los Angeles, California

In accordance with our discussions, we are submitting this Solid Waste Assessment Test - Water for the Hewitt Landfill. This report includes results of site exploration, our interpretation of the data, and our conclusions concerning existing conditions at the site.

If you have any questions, please don't hesitate to call us.

Yours very truly,

LAW ENVIRONMENTAL, INC.

Steve McArdle Staff Geologist

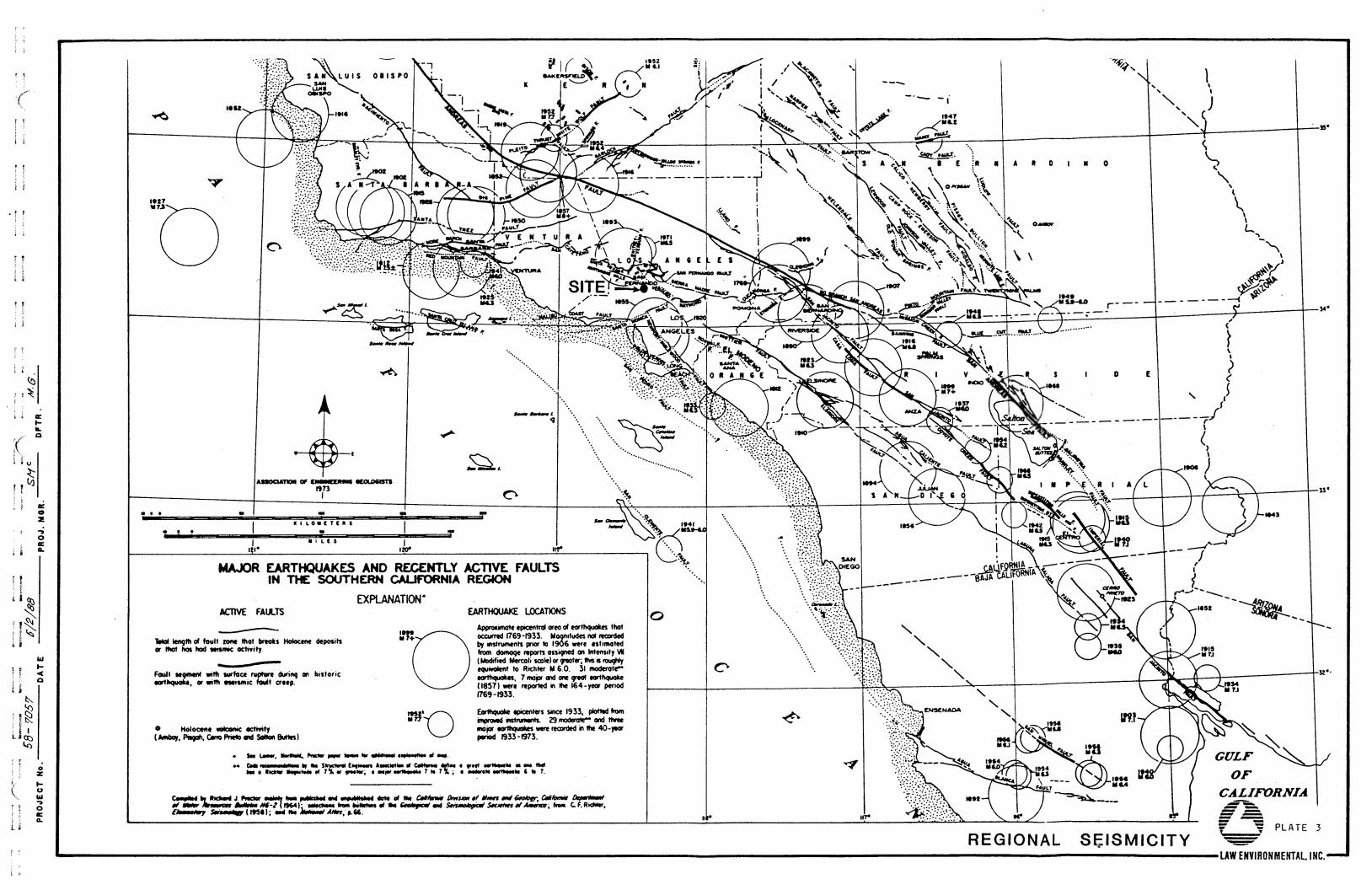
Glenn a E Glenn A. Brown, C.E.G. 3

Senior Vice President

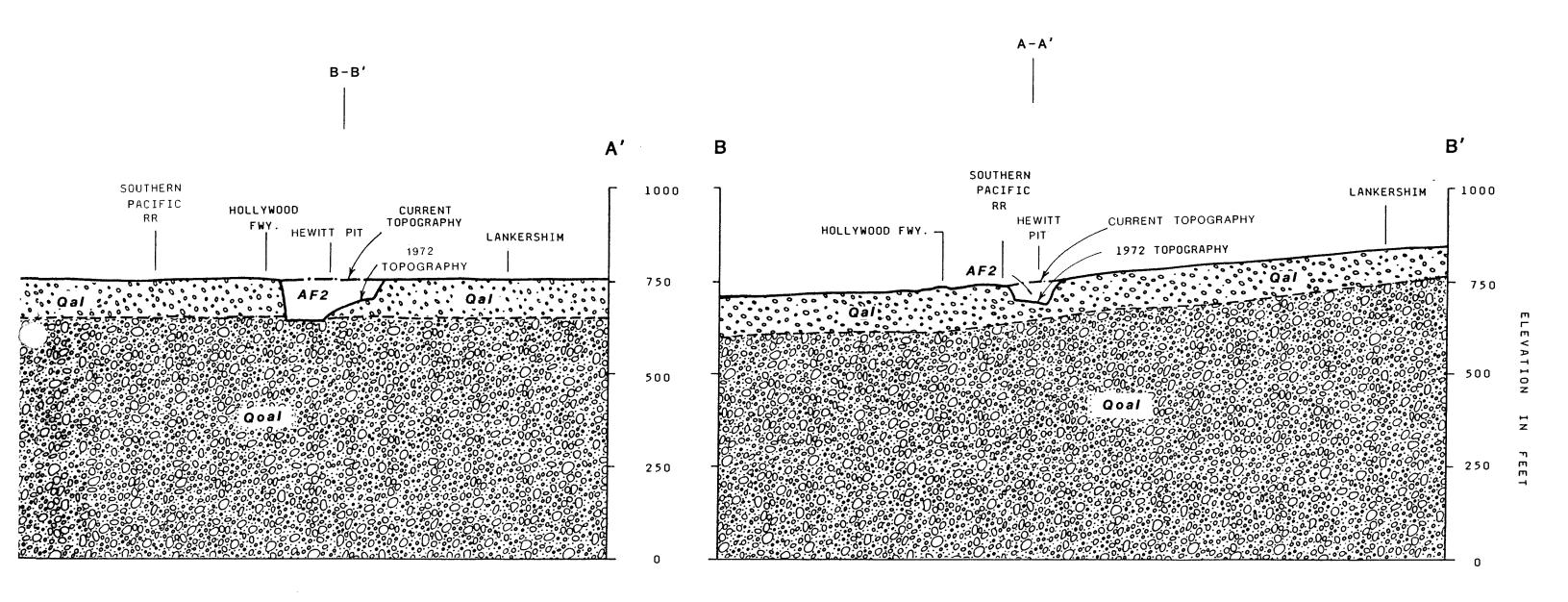
SM/pd (6 copies submitted)

cc: (2) RWQCB

58-



58-



HORIZONTAL SCALE 1"= 2000' VERTICAL SCALE 1"= 250'

FOR EXPLANATION UNITS

GEOLOGIC SECTIONS A-A' AND B-B'



ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 • (818) 795-7553 • FAX (818) 795-8579

LOG NO: P88-04-054

Received: 04 APR 88 Reported: 21 APR 88

Alice Campbell
Law Environmental
3420 N. San Fernando Rd., Suite 200
Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 1

| LOG NO SAMPLE DESCRIPTION, GROUND WATER | SAMPLES | DA | TE SAMPLED |
|--|----------|----------|------------------------|
| 04-054-1 Well #1 (upgradient) 04-054-2 Well #3 (2nd downgradient) | | | 04 APR 88 04 APR 88 |
| PARAMETER | 04-054-1 | 04-054-2 | · . |
| Boron, mg/L | 0.39 | 0.52 | |
| Chemical Oxygen Demand, mg/L | 4 | <3 | |
| Oil and Grease, mg/L | <5 | <5 | • |
| Fluoride, mg/L | 0.2 | 0.2 | |
| Total Organic Halides (TOX), mg/L | <0.08 | <0.08 | |
| Aluminum, mg/L | <0.2 | <0.2 | |
| Silicon, mg/L | 9.3 | 10 | |
| Antimony, mg/L | <0.3 | <0.3 | |
| Arsenic, mg/L | <0.002 | <0.002 | |
| Barium, mg/L | 0.13 | 0.25 | |
| Beryllium, mg/L | <0.001 | <0.001 | |
| Cadmium, mg/L | <0.02 | <0.02 | |
| Chromium, mg/L | <0.04 | <0.04 | |
| Cobalt, mg/L | <0.04 | <0.04 | |
| Lead, mg/L | <0.002 | <0.002 | |
| Mercury, mg/L | <0.0008 | <0.0008 | |
| Molybdenum, mg/L | <0.2 | <0.2 | |
| Nickel, mg/L | <0.04 | <0.04 | |
| Selenium, mg/L | <0.004 | <0.004 | _ |
| Silver, mg/L | ₹0.02 | <0.02 | • |
| Thallium, mg/L | <0.2 | <0.2 | |
| Vanadium, mg/L | <0.03 | <0.03 | |



BROWN AND CALDWELL LABORATORIES

ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 •(818) 795-7553 •FAX (818) 795-8579

LOG NO: P88-04-054

Received: 04 APR 88 Reported: 21 APR 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

| | REPORT OF ANALYTI | CAL RESULTS | | Page 2 | | | | | | | |
|--|--|--|----------|------------|--|--|--|--|--|--|--|
| LOG NO | SAMPLE DESCRIPTION, GROUND WATER | SAMPLES | | TE SAMPLED | | | | | | | |
| 04-054-2 | 4-054-1 Well #1 (upgradient) 4-054-2 Well #3 (2nd downgradient) | | | | | | | | | | |
| | | 04-054-1 | 04-054-2 | - | | | | | | | |
| B/N,A Ext.E Date Extra Date Analy Dilution E 1,2,4-Tric 1,2-Dichlo 1,2-Dipher 1,3-Dichlo 2,4,6-Tric 2,4-Dinit 2,4-Dinit 2,4-Dinit 2,6-Dinit 2,6-Dinit 2-Chloron 2-Methyl 2-Nitroan 2,4,5-Tri 2-Chlorop 2-Methyl- 3,3'-Dich 3-Nitroan | Pri.Poll. (EPA-625) acted | 04/09/88 04/18/88 1 <10 <10 <10 <10 <10 <10 <10 <10 <10 | 04/09/88 | | | | | | | | |

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 • (818) 795-7553 • FAX (818) 795-8579

LOG NO: P88-04-054

Received: 04 APR 88 Reported: 21 APR 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 3.

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER SA | MPLES | | TE SAMPLED |
|-----------|---|----------|----------|------------------------|
| | Well #1 (upgradient) Well #3 (2nd downgradient) | | - | 04 APR 88 04 APR 88 |
| PARAMETER | | 04-054-1 | 04-054-2 | |
| 4-Chloro- | 3-methylphenol, ug/L | <10 | <10 | |
| 4-Chlorop | henylphenylether, ug/L | <10 | <10 | |
| 4-Chloroa | niline, ug/L | <20 | <20 | |
| 4-Methyl | Phenol, ug/L | <10 | <10 | |
| 4-Nitroph | enol, ug/L | <25 | <25 | |
| 4-Nitroan | iline, ug/L | <50 | <50 | |
| Acenaphth | · | <10 | <10 | |
| • | ylene, ug/L | <10 | <10 | |
| Aniline, | ug/L | <20 | <20 | • |
| Anthracen | · · | <10 | . <10 | |
| | ylhexyl)phthalate, ug/L | <10 | <10 | |
| Benzidine | | <40 | <40 | |
| Benzoic A | • • | <50 | <50 | |
| | cohol, ug/L | <20 | <20 | |
| | oroethyl) Ether, ug/L | <10 | <10 | |
| Bis(2-Chl | oroisopropyl)ether, ug/L | <10 | <10 | |
| Bis(2=chl | oroethoxy)methane, ug/L | <10 | <10 | |
| | nthracene, ug/L | <10 | <10 | |
| | yrene, ug/L | <10 | <10 | |
| | luoranthene, ug/L | <10 | <10 | |
| , , | ,i)perylene, ug/L | <10 | <10 | |
| | luoranthene, ug/L | · <10 | <10 | |
| • • | ylphthalate, ug/L | <10 | <10 | |
| Chrysene, | • • | <10 | <10 | |
| | lphthalate, ug/L | <10 | <10 | |
| • | ,h)anthracene, ug/L | <10 | <10 | |



BROWN AND CALDWELL LABORATORIES

ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 • (818) 795-7553 • FAX (818) 795-8579

LOG NO: P88-04-054

Received: 04 APR 88 Reported: 21 APR 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 4

| LOG NO S | AMPLE DESCRIPTION, GROUND WATER SAMPLES | | DA | TE SAMPLED |
|--|---|-------------|---|------------------------|
| 04-054-1 W 04-054-2 W | Vell #1 (upgradient) Vell #3 (2nd downgradient) | | | 04 APR 88 04 APR 88 |
| PARAMETER | | | 04-054-2 | |
| Dibutylphtha Diethylphtha Dimethylphtha Dimethylphtha Dibenzofurar Fluorene, ug Fluoranthene Hexachlorobe Hexachlorobe Hexachloroe Indeno(1,2,2 Isophorone, N-Nitrosodi N-Nitrosodi N-Nitrosodi Naphthalene Nitrobenzene | alate, ug/L nalate, ug/L n, ug/L g/L e, ug/L etadiene, ug/L utadiene, ug/L yclopentadiene, ug/L thane, ug/L 3-c,d)Pyrene, ug/L ug/L -n-propylamine, ug/L methylamine, ug/L phenylamine, ug/L e, ug/L e, ug/L e, ug/L phenol, ug/L | <pre></pre> | <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 | |
| Phenol, ug/ Pyrene, ug/ | | <10 | <10 | |

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LOG NO: P88-04-054

Received: 04 APR 88 Reported: 21 APR 88

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Bromoform, ug/L

Project: 58-7057

Page 5 REPORT OF ANALYTICAL RESULTS DATE SAMPLED SAMPLE DESCRIPTION, GROUND WATER SAMPLES ______ 04 APR 88 04-054-1 Well #1 (upgradient) 04-054-2 Well #3 (2nd downgradient) 04 APR 88 -----04-054-1 04-054-2 PARAMETER ------Vol.Pri.Poll. (EPA-624) 04/14/88 04/14/88 Date Extracted 1 1 Dilution Factor, Times 1 <1 <1 1,1,1-Trichloroethane, ug/L <1 <1 1,1,2,2-Tetrachloroethane, ug/L <1 <1 1,1,2-Trichloroethane, ug/L <1 <1 1,1-Dichloroethane, ug/L <1 <1 1,1-Dichloroethylene, ug/L <1 <1 1,2-Dichloroethane, ug/L <1 <1 1,2-Dichlorobenzene, ug/L <1 <1 1,2-Dichloropropane, ug/L <1 <1 1,3-Dichlorobenzene, ug/L <1 <1 cis-1,3-Dichloropropene, ug/L <1 <1 1,4-Dichlorobenzene, ug/L **<**1 <1 2-Chloroethylvinylether, ug/L <1 <1 2-Hexanone, ug/L <10 <10 Acetone, ug/L <10 <10 Acrolein, ug/L <10 <10 Acrylonitrile, ug/L .. <1 <1 Bromodichloromethane, ug/L <1 <1 Bromomethane, ug/L <1 <1 Benzene, ug/L <1 <1 Chlorobenzene, ug/L <1 <1 Carbon Tetrachloride, ug/L <1 <1 Chloroethane, ug/L <1 <1



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ANALYTICAL REPORT

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LOG NO: P88-04-054

Received: 04 APR 88 Reported: 21 APR 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 6

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER SAMPLE | S | DA' | TE SAMPLED |
|--|---|--|--|-------------|
| 04-054-1 04-054-2 | Well #1 (upgradient) Well #3 (2nd downgradient) | | | 04 APR 88 . |
| PARAMETER | | 04-054-1 | 04-054-2 | |
| Dibromochl Ethylbenze Freon 113, Methyl Iso Methyl Eth Methylene Tetrachlor Styrene, o Trichloroe Trichloroe Toluene, o Vinyl Aceo Vinyl Chlo Total Xyle trans-1,2 | ane, ug/L coromethane, ug/L coromethane, ug/L coromethane, ug/L coromethane, ug/L coromethane, ug/L coromethane, ug/L coromethylene, ug/L coromethylene, ug/L coromethane, ug/L coromethylene, ug/L | 7 <1 <1 <1 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 | <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 < | |
| trans-1,3 | -Dichloropropene, ug/L | <1 | . <1 | |

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LOG NO: P88-04-054

Received: 04 APR 88 Reported: 21 APR 88

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Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 7

| Log Number: 88-04-054-1 Sample Description: Well # | l (upgradient) | | General Mineral Sampled Date O | - |
|--|---------------------------------------|--------------|--|-------------------------------------|
| Anions | mg/L | meq/L | Determination | mg/L |
| Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) | 21 27 50 290 <0.6 | 4.8 | | <1 <1 240 220 53 273 |
| Total Milliequivalents per | Liter ¦ | 6.9 | Iron | 1.2 |
| Cations | mg/L | meq/L | Manganese Copper Zinc | <0.02 0.17 |
| Sodium Potassium Calcium (EDTA Titration) Magnesium | 30 3 88 13 | 0.077 4.4 | Surfactants (MBAS) Filterable Residue (TDS) | <0.1 320 620 7.8 |
| Total Milliequivalents per | Liter ¦ | 6.9 ¦ | | |

^{*} Conforms to Title 22, California Administrative Code

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LOG NO: P88-04-054

Received: 04 APR 88 Reported: 21 APR 88

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Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 8

| Log Number: 88-04-054-2 Sample Description: Well # | 3 (2nd downgrad | lient) | General Mineral Sampled Date (| |
|--|---------------------------------------|----------------------------------|---|---------------------------------|
| Anions | mg/L | meq/L | Determination | mg/L |
| Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) | 48 32 50 510 <0.6 | 0.77 0.9 1 8.4 <0.02 | Bicarb Alk (as CaCO3) Ca Hardness (as CaCO3) | <1 <1 4 3 99 419 |
| Total Milliequivalents per | Liter | 11.1 | Iron | 0.90 0.005 |
| Cations | mg/L | meq/L | Manganese Copper Zinc | <0.02 0.06 |
| Sodium Potassium Calcium (EDTA Titration) Magnesium | 50 6 130 24 | 2.2 0.15 6.5 2 | Filterable Residue (TDS) | <0.1 570 960 7.5 |
| Total Milliequivalents per | Liter | 10.9 | | |

^{*} Conforms to Title 22, California Administrative Code

Edward Wilson, Laboratory Director

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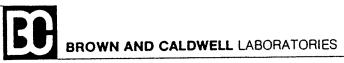
LOG NO: P88-04-554

Received: 26 APR 88 Reported: 17 MAY 88

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Project: 58-7057

| REPORT OF ANALYTIC | CAL RESULTS | Page 1 |
|--|---------------|--------------|
| LOG NO SAMPLE DESCRIPTION, GROUND WATER S | AMPLES | DATE SAMPLED |
| 04-554-1 Hewitt 1st Down gradients4909C | | 26 APR 88 |
| PARAMETER | 04-554-1 | |
| Chemical Oxygen Demand, mg/L | <3 <5 | |
| Non-filterable Residue (TSS), mg/L Oil and Grease, mg/L | \5 | |
| Volatile Suspended Solids, mg/L | < 5 | |
| Fluoride, mg/L | 0.3 | |
| Total Organic Halides (TOX), mg/L | 0.16 | |
| Aluminum, mg/L | <0.2 | |
| Boron, mg/L | 0.35 | · |
| Antimony, mg/L | <0.3 | |
| Arsenic, mg/L | <0.002 | |
| Barium, mg/L | 0.23 | |
| Beryllium, mg/L | <0.001 | |
| Cadmium, mg/L | <0.0001 | |
| Chromium, mg/L | <0.04 | |
| Cobalt, mg/L | <0.04 | |
| Lead, mg/L | <0.002 | |
| Mercury, mg/L | <0.0008 | |
| Molybdenum, mg/L | . <0.2 | |
| Nickel, mg/L | <0.04 | |
| Selenium, mg/L | <0.02 | |
| Silver, mg/L | <0.02 | |
| Thallium, mg/L | <0.2 | |
| Vanadium, mg/L | <0.03 | |



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LOG NO: P88-04-554

Received: 26 APR 88 Reported: 17 MAY 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 2

| 04-554-1 | SAMPLE DESCRIPTION, GROUND WATER | SAMPLES | DATE SAMPLED |
|------------|----------------------------------|----------------|--------------|
| 04-554-1 | Hewitt 1st Down gradients4909 | | 06 ADD 00 |
| | | 04-554-1 | |
| B/N.A Ext. | .Pri.Poll. (EPA-625) | | |
| Date Ext | | 04/29/88 | |
| Date Anal | | 05/13/88 | |
| | Factor, Times 1 | 1 | |
| | ichlorobenzene, ug/L | <10 | |
| | lorobenzene, ug/L | <10 | |
| • | enylhydrazine, ug/L | <10 | |
| | lorobenzene, ug/L | <10 | |
| | lorobenzene, ug/L | <10 | |
| | ichlorophenol, ug/L | <10 | |
| | lorophenol, ug/L | <10 | |
| | thylphenol, ug/L | <10 | |
| | trotoluene, ug/L | <10 | |
| | trophenol, ug/L | <2 5 | |
| | trotoluene, ug/L | <10 | |
| | naphthalene, ug/L | <10 | |
| | naphthalene, ug/L | <10 | |
| | Phenol, ug/L | <10 | |
| | henol, ug/L | <10 | |
| | niline, ug/L | < 50 | |
| 2,4,5-Tr | ichlorophenol, ug/L | <10 | |
| 2-Chloro | phenol, ug/L | <10 | |
| 2-Methyl | -4,6-dintrophenol, ug/L | <50 | |
| | hlorobenzidine, ug/L | <10 | |
| | niline, ug/L | <50 | |
| 4-Bromop | henylphenylether, ug/L | <10 | |
| | -3-methylphenol, ug/L | <10 | |

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LOG NO: P88-04-554

Received: 26 APR 88 Reported: 17 MAY 88

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Project: 58-7057

| | REPORT OF ANALYT | ICAL RESULTS | Page 3 |
|-----------|----------------------------------|-----------------|--------------|
| LOG NO | SAMPLE DESCRIPTION, GROUND WATER | SAMPLES | DATE SAMPLED |
| 04-554-1 | Hewitt 1st Down gradients4909 | _ | 06 455 00 |
| PARAMETER | 4 I | 04-554-1 | |
| 4-Chloro | phemylohenylether, ug/L | <10 | |
| 4-Chlore | paniline, ug/L | <20 | |
| 4-Methyl | Phenol, ug/L | <10 | |
| | chenol, ug/L | <25 * | |
| 4-Nitroa | eniline, ug/L | <50 . | |
| Acenapht | thene, ug/L | <10 | |
| Acenapht | thylene, ug/L | <10 | |
| Aniline, | , ug/L | <20 | |
| Anthrace | eme, ug/L | <10 | |
| Bis(2-et | thylhexyl)phthalate, ug/L | <10 | |
| Benzidin | is, ug/L | <40 | |
| Benzoic | Acid, ug/L | <50 | |
| Benzyl A | Alcohol, ug/L | <20 | |
| Bis(2-ch | loroethyl) Ether, ug/L | <10 | |
| Bis(2-Ch | loroisopropyl)ether, ug/L | <10 | |
| Bis(2-ch | loroethoxy)methane, ug/L | <10 ⋅ | |
| Benzo(a) | enthracene, ug/L | <10 | |
| | pyrene, ug/L | <10 | |
| | fluoranthene, ug/L | <10 | |
| | h,i)perylene, ug/L | <10 | |
| , , | fluoranthene, ug/L | <10 | |
| | zylphthalate, ug/L | <10 | |
| Chrysene | · | <10 | |
| | ylphthalate, ug/L | <10 | |
| | a,h)anthracene, ug/L | <10 | |
| | hthalate, ug/L | <50 | |
| Diethylp | hthalate, ug/L | <10 | |



Pyrene, ug/L

BROWN AND CALDWELL LABORATORIES

ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 • (818) 795-7553 • FAX (818) 795-8579

P88-04-554 LOG NO:

Received: 26 APR 88 Reported: 17 MAY 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

Page 4

REPORT OF ANALYTICAL RESULTS LOG NO SAMPLE DESCRIPTION, GROUND WATER SAMPLES DATE SAMPLED 04-554-1. Hewitt 1st Down gradients--4909C 04-554-1 PARAMETER 04-554-1 **<25** . Dimethylohthalate, ug/L <10 Dibenzofuran, ug/L <10 Fluorene, ug/L <10 Fluoranthene, ug/L <10 Hexachlorobenzene, ug/L <10 Hexachlorobutadiene, ug/L <10 Hexachlorocyclopentadiene, ug/L <10 Hexachleroethane, ug/L <10 Indeno(1,2,3-e,d)Pyrene, ug/L <10 Isophorone, ug/L <40 · N-Nitroscdi-n-propylamine, ug/L <80 N-Nitrosodimethylamine, ug/L <10 N-Nitroscdiphenylamine, ug/L <10 Naphthalene, ug/L <10 Nitrobenzene, ug/L <10 Pentachlorophenol, ug/L <10 Phenanthrene, ug/L <10 Phenol, ug/L <10

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LOG NO: P88-04-554

Received: 26 APR 88 Reported: 17 MAY 88

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Project: 58-7057

| | REPORT OF ANALYT | TICAL RESULTS | Page 5 |
|------------|----------------------------------|---------------|--------------|
| LOG NO | SAMPLE DESCRIPTION, GROUND WATER | R SAMPLES | DATE SAMPLED |
| 04-554-1 | Hewitt 1st Down gradients4909 | ЭС | 26 APR 88 |
| DADAMETER | | 04-554-1 | |
| Vol.Pri.Po | oll. (EPA-624) | | |
| Date Ext | racted | 05/05/88 | |
| Dilution | Factor, Times 1 | 1 | |
| 1,1,1-Tr: | ichloroethane, ug/L | <1 | |
| 1,1,2,2- | Tetrachloroethane, ug/L | <1 | |
| 1,1,2-Tr: | ichloroethane, ug/L | <1 | |
| | loroethane, ug/L | <1 | |
| | loroethylene, ug/L | <1 | |
| 1,2-Dich | loroethane, ug/L | <1 | |
| | lorobenzene, ug/L | <1 | |
| 1,2-Dich | loropropane, ug/L | <1 | |
| 1,3-Dich | lorobenzene, ug/L | <1 | |
| | Dichloropropene, ug/L | <1 | |
| • | lorobenzene, ug/L | <1 | |
| 2-Chloro | ethylvinylether, ug/L | <1 | |
| 2-Hexanor | ne, ug/L | <1 | |
| Acetone, | ug/L | <10 | |
| Acrolein, | • | <10 | |
| | trile, ug/L | <10 | |
| | hloromethane, ug/L | <1 . | |
| | hane, ug/L | <1 | |
| Benzene, | | <1 | |
| | nzene, ug/L | <1 . | |
| | etrachloride, ug/L | <1 | |
| | hane, ug/L | <1 | |
| Bromoform | · - | <1 | |
| Chlorofor | rm, ug/L | <1 | |

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P88-04-554 LOG NO:

Received: 26 APR 88 Reported: 17 MAY 88

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Total Xylene Isomers, ug/L

trans-1,2-Dichloroethylene, ug/L

trans-I,3-Dichloropropene, ug/L

Project: 58-7057

<10 -

<1

<1

Page 6

DATE SAMPLED LOG NO SAMPLE DESCRIPTION, GROUND WATER SAMPLES ------04-554-1 Hewitt 1st Down gradients--4909C -----04-554-1 PARAMETER <1 Chloromethane, ug/L <1 Carbon Disulfide, ug/L <1 Dibromochloromethane, ug/L <1 Ethylbenzene, ug/L <1 Freon 113, ug/L <1 Methyl Isobutyl Ketone, ug/L <10 Methyl Ethyl Ketone, ug/L <1 Methylene Chloride, ug/L <1 Tetrachloroethylene, ug/L <1 Styrene, ug/L <1 Trichloroethylene, ug/L <1 Trichlorofluoromethane, ug/L <1 Toluene, ug/L <10 Vinyl Acetate; ug/L <1 Vinyl Chloride, ug/L

REPORT OF ANALYTICAL RESULTS

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 •(818) 795-7553 •FAX (818) 795-8579

LOG NO: P88-04-554

Received: 26 APR 88 Reported: 17 MAY 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 7

| Log Number : 88-04-554-1 Sample Description: Hewitt | lst Down gradi | ents4909 | General Mineral C Sampled Date 2 | • |
|--|--|---------------|--|-------------------------------------|
| Anions | mg/L | meq/L | Determination | mg/L |
| Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) | 1.4 16 32.5 520 <0.6 | 0.45 0.677 | • | <1 <1 430 300 90 390 |
| Total Milliequivalents per | Liter ¦ | 9.8 | Total Hardness (as CaCO3) Iron Manganese | 1.3 0.008 |
| Cations | mg/L | meq/L | Copper Zinc | <0.02 0.03 |
| Sodium Potassium Calcium (EDTA Titration) Magnesium | 43 5.0 120 22 | | Surfactants (MBAS) Filterable Residue (TDS) | 520 810 8.00 |
| Total Milliequivalents per | Liter | 9.8 ¦ | | |

^{*} Conforms to Title 22, California Administrative Code

ERING DIVISION ENGIN S A N I T A R Y

LANETA LANFILL

| YEA | R | | | 480 | 7 (| TAN | . .) | | | C.ł | 4FMI | CAL | ANA | LYSI | ES | (P.P | .M. |) | | | | | | <u>ن ک</u> | 7 1 CM | | IANI | | | |
|------|------------------|--|------|-------|--------------|----------|---------------|-----|-------|------|------|------|---------|----------|--------------|------------------------|----------|--------------------|-------|--------------------------|---------------|--------------|------------------|------------|--|--------------|---------------|--------------|-------------------|---|
| Lah. | - | . 1 | | | N.ª | | ALK, CACO) | 504 | G1 | NO 3 | sio, | Fe | В | F | Fluis pH | Fiaid Timp. Lab. | | Tat, KJEL, N | | Diss. PO _u | Field D.O- | BOD . | cr ⁺⁶ | (2) (2) | Turb | odar Trc | phor. Cr D | ** 705 | μ _{0, τ} | 1 |
| | | | | | | | | | | - | | | | | | | | | | .17 | 7.4 | 2./ | | 4 | | | | | .01 | - |
| | ?/" | ÷11 | 9.3 | 122 | 30 | 3, ? | 145 | 15 | 17 | ~.? | 1-1 | 1. 0 | ,11/2 | _7 1 | 7, R | 2/ | .00 | ۰۰۲ | .04 | • / / | | | | | | | | | | |
| | 1127 | : / | 7.7 | 130 | 24 | 31.11 | , 2, ' | 37 | 12 | 17 | 19 | mc | .112 | | 7.68 | 16 | .00 | 30, | .33 | . 3.3 | 24 | ۲.۰۲ | | 4/ | | | 1.2 | | رم, > | - |
| | | | | | | | | | | | | | | | | | | | | | | | | | | - | | | | ╁ |
| | 909 | | | 167- | | | , n. j. | | | | | | | | 7.7 | | | | | | -230 | | | 1/ | | _ | | - | | ╁ |
| | | | | | | | | 3.6 | 17. | // • | | | | | 11.0 2.47 | | | | | -10 | 6.7 | | | 8 | | | | | ٠٨٠ | |
| | 47.0 | 1 | 7.2 | 236 | <u> </u> | <u> </u> | ; C. | 126 | 1 //- | 1.8 | | | | | 7.3 | 17 | | | | | 7.7. | | | 12 | | | | | | 1 |
| - | 21, 1 | | 11 | 2,5 | , | - | 1/2 2 | 41 | /3 | ╅ | | .01 | | | | 13 | | | | , 13 | 71.1 | | | 62 | | | ļ | <u> </u> | | _ |
| | - - | 117- | | 372 | | + | 4.12 | | 11 | + | :0 | 7,61 | .47 | 0,5% | | | .00 | . 02 | . 000 | .7.5 | 4.4 | | | 31 | ļ | | <u> </u> | | <u>} . ^ :</u> | + |
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LOCATION WELL 4897A (Surveyor) CHEMICAL ANALYSES (P.P.M.)

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SANITARY ENGINERING DIVISION

LOCATION WELL 4897A (Successful Address) CHEMICAL ANALYSES (P.P.M.)

| | LOCA | 110 | M W | FLL . | 4.09 | 1 /4 (| (3815 | I f note | ARIC | <u> </u> | _ (' | 1 <u>[</u> M [| CAL | ANA | LIS | ES | 17.5 | • M • | , | | | | | | | | | | : == | | _ |
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SANITARY ENGIN RING DIVISION

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Results in mg/l unless otherwise indicated Date Taken Dom Noc'd Coincre Semale No Description Janns Well 4897) 5-1322 cus 5-1-85 5-1-85 McBride Well L4899 c-1323 2-4 Channahape JUL 10 1985 5-132D Sample No. 2-1323 Date Dete Phenols (ppb) Anal 485 Total Solids Suspended Solids 2.4 0.3 304 480 Dissolved Solids Oil and Grease Total Hardness CaCO) 232 778 MPN/ml-Tot. Coliform MPN/ml-Fecal Coliform JJ 60.01 10.07 86/01 Lead (Pb) 178 60.002 1.Til 60002 Çadmium (ca) 40.0 ×di Manganese (Mn) Çyanide (CN) 7/2 F.C (Br -) Bromide < 0.01 0.32 (0.003 S/1 Selenium (Se) (0.03 Lodide (I^-) 0.52 0.02 Barium (Ba) 20.1 4-0.3 Zinc (Zn) (0.01 10.0> Gopper 5/14 هزاد 0.01 (Cu) 10.01 Silver (Ag) (0.01 60.01 R. K. KILPILLATO Mercury-mcg/litre(Hg) Total Chromium
Hexavalent Chromium+65/ 6.01 10.01 JUL 11 1985 <.003 <.003 Boron (B) .37 0.4= (Fe) Iron 1.45 0.01 Aluminum (A1)0.01 0.00 Arsenic (As) (0.01 <0.01 Nickel 10.01 Z0.01 (Ni) REMARKS: Return Results to

MAY 20 1985 MAY 20 1985

PURGEABLE ORGANIC ANALYSES · (Volatiles)

| ORATORY | REPORT PREP | ARED | | DATE OF |
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| hlorobenzene | . ug/l | 34301 | $1 1 1 \nu_1 \bar{\nu}$ | 1 101.11 |
| 1 oroethane | ug/1 | 34311 | 1 1 1017 | 1 1 101.15 |
| -Chloroethylvinyl ether | ug/1 | 34576 | | 1 1 101.15 |
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| ibromochloromethane | ug/1 | 32105 | 11. 1012 | 1 1 1 1 1 1 0 |
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| t :hlorodifluoromethane | ug/1 | 34668 | IIINID | 1 17101.1 |
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| : ns-1.2-Dichloroethene | ug/1 | 34546 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1 1 101.15 |
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| :-1.3-Dichloropropene | ug/1] | 34704 | 1 1 1 4 N 1 D | 11101.15 |

| CEABLE OPCANIC ANALYSIS (CORE) | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | IVEES | DLTECTION |
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| np3-1,3-Dichloropropene | υg/ 1 | 34699 | μD | 11101.12 |
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| thylene chloride | ug/1 | 81595 | 1 1 1 1 1 1 1 2 | 1 1 1 1 . 10 |
| t yl Ethyl Ketone | | 03506 | 1 1 1 1 1 1 7 | 1 1 1/1.10 |
| thyl Isobutyl Ketone | ug/1 | 81596 | 1-1-1-1-1 | |
| 2,2-Tetrachloroethane | · ug/1_ | 34516 | 111140 | 1 1 101 · 15 |
| | ug/1 | 34475 | 1 12101.15 | 1 1 101 · 15 |
| trachloroethene | ug/1 | 34010 | 1 1 1 1 1 1 2 | 1 1 101 .11 |
| ene | ug/1 | 34506 | 1 1 1 1 10 0 | 1 1 101.15 |
| 1,1-Trichloroethane | · · ug/1 | 34511 | 1 1 1010 | 1 1 101.15 |
| 2-Trichloroethane | ug/1 | 39180 | I I I DID | 1 1 101 .15 |
| ichloroethene | ug/1 | 34488 | פוען ו ו ו ו | 1 1 101.15 |
| hlorofluoromethane | υg/1 | 39175 | 1 1 1 1 1 1 1 2 | 1 1 101.15 |
| nyl chloride | ug/1 | 81551 | פועו ו ו ו | 11101.11 |
| r Enes | | | | |
| Note any unidentified peaks | below . | | . 0 | |
| 1 loroxicuin | ugh | | μD | |
| 1200 | ugle | | ND | 5.70 |
| The state of the s | ual. | | ND | 19.3 |
| cie 1, 2 dichersett ene | The | • | νŋ | · D. |
| cia 1, 2 aichlosera ene | - Spe | | | • |

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O. J.: ROGERS

JAN 15 1995

PURGEABLE ORGANIC ANALYSES (Volatiles)

| | · (VOLAT | ILESI | | |
|----------------------------|---------------|-------------|-----------------------|-----------------|
| ~dORATORY | REPORT PRI | EPARED | | DATE OF |
| IAME: DWP-water Quality | BY: (SIGN) | ATURE) JE B | ordey | REPORT: 1-10-85 |
| TEM | | • | 0 | NUMBER: 05 437 |
| TELL NAME | | | STATE WELL | |
| O/OR NUMBER: | | | NUMBER: | |
| SAMPLING POINT: Me Bride | (1808) | | | |
| | (7070) | SAMPLER | | |
| PLER: Peter R. | | EMPLOYED | BY: DWP | · |
| PATE/TIME | DATE/TIME SAM | PLE | DATE A | NALYSES |
| SAMPLE COLLECTED: 12-20-84 | RECEIVED @ LA | | the constitue | |
| LIST METHODS: GC/MS | | | elow guantifie | |
| CONSTITUENT | REPORTING | STORET | ANALYSES | DETECTION |
| - | UNITS | CODE | RESULTS | LIMIT |
| lenzen e | ug/1 | 34030 | 1111110 | 1 1 101.11 |
| 3 pmodichloromethane | ug/1 | 32101 | 111010 | 1 1 101.15 |
| 3. Smoform | ug/1 | 32104 | 1111010 | 1 1 1/1 10 |
| ' nomethane | ug/1 | 34413 | LILIVID | -11101.15 |
| on tetrachloride | ug/1 | 32102 | Juli II | 1 1 101.15 |
| Thlorobenzene | ug/1 | 34301 | 1 1 1 1 1 1 1 1 1 1 1 | 1 1 101.11 |
| loroethane | ug/1 | 34311 | 111110 | 1 1 101.15 |
| -Chloroethylvinyl ether | u g/1 | 34576 | 1 1 1 1 1 1 1 1 | 1 1 131.10 |
| loroform | ug/1 | 32106 | לוען ו ו | 1 1 101.15 |
| Thloromethane | ug/ 1 | 34418 | 1 1 1 1010 | 1 1 101.15 |
| 5 (2-Chloroethyl) ether | . ug/1 | 34273 | 1111111 | £ } |
|)ıpromochloromethane | ug/1 | 32105 | 1111010 | 1 1 1/1.10 |
| ?-Dichlorobenzene | u g/1 | 34536 | 1 1 1 1 1 1 1 1 1 | 1 1 101.15 |
| _3-Dichlorobenzene | u g/1 | 34566 | 1 1 1 1 1 1 1 1 1 | 1 1 101.15 |
| .4-Dichlorobenzene | u g/1 | 34571 | 1 1 1 1010 | 1 1 101.15 |
| chlorodifluoromethane | ug/1 | 34668 | 1111111 | 1 14101.1 |
| ,1-Dichloroethane | · ug/1 | 34496 | 1111110 | 1 1 101.15 |
| ?-Dichloroethane | ug/ 1 | 34531 | 1 1 1 1 1 1 1 1 | 1 101.15 |
| ,1-Dichloroethene | ug/1 | 34501 | 1 1 1 1 1 1 1 1 1 | 1 1 101.15 |
| ins-1,2-Dichloroethene | ug/1 | 34546 | ND | 1 1 101.15 |
| -Dichloropropane · | ug/1 | 34541 | [ען און ו | 1 1 101.15 |
| 1 3 - Dichloropropene | ug/1 | 34704 | 1 1 1 1010 | 1 1 101.15 |

| | | | | Page 2 of |
|-------------------------------|-----------|--------|-----------------------|--------------|
| FABLE ORGANIC ANALYSES (Conti | REPORTING | STORET | Analyses | DLTECTION |
| CONSTITUENT | UNITS | CODE | RESULTS | LIMIT |
| s-1,3-Dichloropropene | ug/1 | 34699 | IIINID | 11101.15 |
| hyl benzene | ug/1 | 34371 | DIULI | 1 101.15 |
| hylene chloride | . ug/1 | 34423 | 1 1 1010 | 1 101.15 |
| thyl Ethyl Ketone | ug/1 | 81595 | 1111010 | 1 1/101.1 |
| hyl Isobutyl Ketone | ug/1 | 81596 | 1 1 1010 | 1 1 131.10 |
| | ug/1 | 34516 | 111100 | 1 1 111.10 |
| ,1,2,2-Tetrachloroethane | ug/1 | 34475 | 1111110 | 1 1 101 . 15 |
| rachloroethene | ug/1 | 34010 | JI I INID | 1 1 101 .11 |
| n.l-Trichloroethane | ug/1 | 34506 | 1 1 1 1010 | |
| ,2-Trichloroethane | · ug/1 | 34511 | 11110 | |
| #ichloroethene | ug/1 | 39180 | IIIINIP | |
| chlorofluoromethane | ug/1 | 34488 | I I INID | |
| | ug/1 | 39175 | 1 1 1 1 1 1 1 1 1 1 1 | |
| inyl chloride | ug/1 | 81551 | 1 1 1 NID | 1 1 101.11 |
| Note any unidentified peaks | | | | |
| Note any unidentified peaks | -1 | | NI | 5.0 |
| Morspierin | ugli | • | וֹטְ | |
| DBCP | right | | | |
| | | • | | • |
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MAR 2 6 1986

74. There 3-25 86

PURGEABLE ORGANIC ANALYSES · (Volatiles)

MAR 2 6 1985.

Shiriey Cherig

| BURATORY | REPORT PRE | ARED | 0 | DATE OF 20-86 |
|-----------------------------------|----------------------|------------|---|------------------|
| ME: DWP- water Quality | BY: (SIGNAT | TURE) Je | ordey | REPORT: 9-24-86 |
| ! 'EH | | | | NUMBER: 05836 |
| 1_: | | | STATE WELL | |
| ILL NAME | | | NUMBER: | |
| OR NUMBER: | (((0) | | | |
| PIPLING POINT: Janss Well | (4897) | SAMPLER | | |
| FOF | | EMPLOYED | BY: DWP | |
| PLER: JGD | DATE/TIME SAM | DI.P | DATE A | ENALYSES 3-14-86 |
| STE/TIME SUPLE COLLECTED: 3-11-86 | RECEIVED & LA | B: 3-//- } | | |
| STATE CORPORATION | | | the constitue | |
| EST METHODS: 624 GC/MS | REPORTING | STORET | ANALYSES | DETECTION - |
| CONSTITUENT | UNITS | CODE | RESULTS · | LIMIT |
| - | | 34030 | 1 1 101 . 1 / | 1 1 101-11 |
| enzene | ug/1 | • | 1 1 1 1 1 1 1 1 1 | |
| r modichloromethane | ug/1 | 32101 | | |
| romoform | ug/1 | 32104 | $ \mathcal{U}_{1} $ | |
| romethane | ug/l | 34413 | | |
| on tetrachloride | ug/1 | 32102 | 1 1 1 1 1 1 1 1 2 | 1 1 101 - 15 |
| | ug/l | 34301 | 1111111 | 1 1 101 11 |
| hlorobenzene | u g/l | 34311 | | 1 1 101.15 |
| I toroethane | ug/1 | 34576 | 1 1 1 1 1 1 1 1 1 1 1 1 | 11101.15 |
| 2-Chloroethylvinyl ether | ug/1 | 32106 | نام ر ر | 11101.15 |
| loroform | ug/1 | 34418 | 1 1 1 1 1 1 1 1 1 1 1 | 1 1 101-15 |
| Thloromethane | | 34273 | 1 | |
| b в (2-Chloroethyl) ether | ug/1 | • | 1111111 | |
| Dibromochloromethane | ug/1 | 32105 | | |
| 1 2-Dichlorobenzene | ug/1 | 34536 | 11111111 | |
| 1,3-Dichlorobenzene | u g/1 | 34566 | I I I IU II | |
| 1.4-Dichlorobenzene | ug/1 | 34571 | 1 1 1 1 1 1 1 1 1 1 1 1 | |
| I chlorodifluoromethane | ug/1 | 34668 | 111111 | |
| 1,1-Dichloroethane | · ug/l | 34496 | IIII | |
| 2-Dichloroethane | ug/l | 34531 | | 1 |
| 1,1-Dichloroethene | ug/1 | 34501 | 1 1 1 11/1 | |
| trans-1,2-Dichloroethene | ug/1 | 34546 | 1 1 1 1 1 1 1 1 1 1 1 1 | 1 |
|) ^-Dichloropropane | u g/ 1 | 34541 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | |
| -1.3-Dichloropropene | ug/1 | 34704 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 0 1 1 101.15 |

| | | RESULTS | LIMIT |
|--------------|--------------------------|--|------------------|
| υg/ 1 | 34699 | 1 1 1 1010 | 11101.12 |
| ug/1 | 34371 | | 1 101.15 |
| . ug/1 | 34423 | IIINID | 1 101.15 |
| ug/1 | 81595 | I I IND | 1 1 151.10 |
| ug/1 | 81596 | I I I I I I I I I | 111110 |
| ug/1 | 34516 | 111112 | 1 1 101 - 15 |
| ug/1 | 34475 | IIIIND | 1 101.15 |
| ug/1 | 34010 | 1 1 101.17 | 11/01/11 |
| ug/1 | 34506 | 1 1 101.19 | 1 1 101 · 15 |
| | 34511 | 1 1 1 1 1 1 1 1 | 11101.15 |
| | 39180 | 1 1 1 1010 | 1 1 101-15 |
| | 34488 | IIIMD | 1 101.15 |
| | 39175 | 111142 | 1 1 101.15 |
| | 81551 | 1 1 1 110 | 11101.11 |
| | ug/1 ug/1 ug/1 ug/1 ug/1 | ug/1 34423 ug/1 81595 ug/1 81596 ug/1 34516 ug/1 34475 ug/1 34010 ug/1 34506 ug/1 34511 ug/1 39180 ug/1 34488 ug/1 39175 | ug/1 34423 |

| is 1, 2 dichloroethere | ng/L | . NO | .0:5 |
|------------------------|------|------|------|
| 123 Triclorograpane | ugle | ND · | 0.5 |
| | | | · |

FEB 19 1986

FEB 1 8 1500

u. J. Nugers

Shirtey Cherry

PURGEABLE ORGANIC ANALYSES : (Volatiles)

1-3 1: 1985

| · (VOLATILES) DATE OF | | | | | | | | | |
|----------------------------------|------------------------------|-------------|--------------|----------------------------|--|--|--|--|--|
| | REPORT PREPA | RED | ? | DATE OF | | | | | |
| RATORY | REPORT PREPA BY: (SIGNATU | RE) Je | ordey | REPORT: 2-18-86 | | | | | |
| ! Dwf- water Quality | 1 37. (3.4 | | U | NUMBER: 05784 | | | | | |
| 1 | • | | STATE WELL | NOTELR: 03731 | | | | | |
| | | | NUMBER: | • | | | | | |
| , NAME | • | | NU.BLK. | • | | | | | |
| R NUMBER: | | | | | | | | | |
| I.IPTION OF Sheldon Orlet | ~ 4847 | SAMPLER | | • | | | | | |
| DING POINT | | EMPLOYED | BY: DWP | | | | | | |
| E OF FER: J. Dobrowstski E/TIME | DATE/TIME SAMPI | LE | | ANALYSES LETED: 2-/3-82 | | | | | |
| E/TIME Alu /0. | RECEIVED & LAB | 2 ~ / I ~ X | the constit | uents . | | | | | |
| E/TIME 1 E COLLECTED: 2/11/80 | | I Were all | elow quantif | ied? | | | | | |
| 621 GC/MS | | STORET | ANALYSES | DETECTION | | | | | |
| T METHODS: 624 GC/MS | REPORTING | CODE | RESULTS | LIHIT | | | | | |
| CONSTITUENT | UNITS | | 1 121 12 | 1 1 101.11 | | | | | |
| · · | ug/1 | 34030 | | D 1 1 101.15 | | | | | |
| izene | ug/1 | 32101 | | | | | | | |
| odichloromethane | ug/1 | 32104 | μ | 10 1 1 121.15 | | | | | |
| omoform | | 34413 | 1 1 1 10 | 17-11101.15 | | | | | |
| | ug/l | | | 101.15 | | | | | |
| c ethane | ug/1 | 32102 | 1 | | | | | | |
| room tetrachloride | ug/l | 34301 | 1111 | | | | | | |
| Probenzene | ug/1 | 34311 | 11111 | 11 1 101.15 | | | | | |
| Corpethane | | 34576 | 1 1 1 12 | 1011101.15 | | | | | |
| -Chloroethylvinyl ether | ug/1 | | | 10 110,15 | | | | | |
| | ug/1 | 32106 | | | | | | | |
| 1 oroform | ug/1 | 34418 | 1111 | | | | | | |
| nloromethane | ug/1 | 34273 | 1111 | 10 1 1 151.10 | | | | | |
| i (2-Chloroethyl) ether | | 32105 | 1 | 010 1 1 101.15 | | | | | |
| ibromochloromethane | <u>uq/1</u> | | | 16 1 1 101-15 | | | | | |
| | ug/1 | 34536 | | | | | | | |
| !-Dichlorobenzene | ug/1 | 34566 | | | | | | | |
| ,3-Dichlorobenzene | . ug/1 | 34571 | 11/181 | 1 1 101.15 | | | | | |
| 1-Dich orobenzene | | | 1 , , , , | ND 11121.10 | | | | | |
| ouchlor@difluoromethane | ug/1 | 34668 | _ | | | | | | |
| | . ug/l | 34496 | | 64 | | | | | |
| l 1-Dichloroethane | ug/1 | 34531 | | N10 1 1 101·15 | | | | | |
| 1,2-Dichloroethane | ug/1 | 34501 | | UD 1 101.12 | | | | | |
| 1.1-Dichloroethene | | | | NIE 1 1 101.15 | | | | | |
| t ans-1,2-Dichloroethene | u g/1 | 34546 | | | | | | | |
| • | u9/1 | 34541 | | | | | | | |
| 1 Dichloropropane | ug/1 | 34704 | 1111 | ND 1 1 101.15 | | | | | |
| (s-1.3-Dichloropropene | | • | | | | | | | |

| | 41 | | | |
|--|---------------------------------------|----------|---------------------|--------------------|
| EARLE ORGANIC ANALYSES (Conti | REPORTING | STORET | ANALYSES | DETECTION LIMIT |
| CONSTITUENT | UNITS | CODE | PESULTS | |
| 3-1,3-Dichloropropene | 09/1 | 34699 | 1 1 101D | |
| | ug/1 | 34371 | 1131.14 | 1 101.15 |
| hyl benzene | . ug/1 | 34423 | 1 1 1 1012 | 1 101.18 |
| ylene chloride | · ug/1 | 81595 | שועו ו ו ו | 1 151.10 |
| enyl Ethyl Retone | ug/1 | 81596 | עועו ו ו | 1 1 1/1.10 |
| yl Isobutyl Ketone | | 34516 | I I I I I I DI D | 1 1 101 - 15 |
| 2,2-Tetrachloroethane | | | I I I IUIP | 1 101.5 |
| tachloroethene | ug/1 | 34475 | 1 1 1 1 1 1 1 1 1 1 | 1 101 111 |
| sene | ug/1 | 34010 | 1 12171.1 | |
| 7,1-Trichloroethane | ug/1 | 34506 | םועו ו ו ו | |
| 2-Trichloroethane | ; ug/1 | 34511 | | |
| _ | ug/1 | .39180 . | 1111110 | 1 101.15 |
| ichloroethene | | 34488 | $ 1 1 1 \nu_1 D$ | 1 101.15 |
| chlorofluoromethane | ug/1 | 39175 . | בוען ו ו ו | 1 1 101.15 |
| inyl chloride | | 81551 | 1 1 171.10 | 11.101.11 |
| enes | ug/1 | | | |
| المسترقي المستركة والمتناف والمتراث والم والمتراث والمتراث والمتراث والمتراث والمتراث والمتراث والمترا | · · · · · · · · · · · · · · · · · · · | | | |
| 2 dichlosethere | · ng/ | <u>L</u> | . PD | |
| is 1, 2 dichlosoethere 1, 2, 3 triclosopropane | ua | le | μD | 0.5 |
| 1 2 5 promagagas | 81 | ,- | | • |
| | | • | | |
| | • | | | : |

WATER QUALITY DIVISION REPORT OF WATER ANALYSIS

(Chemical Results in Part , Per Million)

O. J. ROGERS

| 1 | ple No | Dale Taken | Date Rec'd | | ector | | | | | Descrip | | | 4 1884 | |
|----------------|-----------|-------------------------|------------|--------------|-------------|--|--------------|----------|---------------------------------------|---------|-------|----------|----------|-----------------|
| 3 | ,00 | 4-24-34 | 4-24-34 | D | P6 | 1 | inns icks | W. | د ا ا | No. | 4897 | | | ··· |
| | ,01 | 1, | " | | <u> </u> | W | icks | مرسا | :11 | No. | 4897A | | | |
| _ | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | 1 | | I | 30 | Γ | | | | | | |
| 71 | | Sample No. | , | Date | 1300 | Dele | 1301 | Date | | Date | | ale | | Date |
| | | tivity, µmhos/cm | 1 | Anai | 4:2 | Anal | 499 | Anal | | Anal | | inel | | Anal |
| | pH, Fiel | | | WA | 6.5 | 4/2 | 6,35 | | | | | | | |
| 1 | pH, Lab | | | 7/24 F & | 7.05 | 4/2 1 0 | | | • | | | | | |
| | | ature * C, Field | | 44- 0 | 16.5 | -1/29 | 15 | | 1 | | | \dashv | | |
| | | ature * C, Lab. | | 47-4 PS | -3.9 | ₽6 P6 | | | , | | | - | | |
| | Calciun | | | ╂ | 43 | \vdash | 5.3 | - | 1 | | | \dashv | | |
| _ | | ium (Mg) | ^ | | 12 | - | 1 | - | , | | | | | |
| / | J | ardness as CaC | O3 | 41.7 | 15 j. 16 | - | 30 | - | √ | | | \dashv | | \vdash |
| _ | Sodium | | | 27 | | :. - | 3 6 | - | | | | \dashv | | |
| | Potassi | niu (v) | Field | | 142.5 | 1 | 2.6 217.5 | +- | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ | | | - | | $\vdash \vdash$ |
| تغر | Alkalini | ty as CaCO. (T | | - | 174.3 | 1 | <u> </u> | \vdash | / | | | - | | |
| | Sulfate | (504) | | 1: - | 75.6 | F | 7.5 | - | 1 | | | 1 | | |
| / | Chlorid | | | 1 | 12 | + | 15 | | 1 | | | 寸 | | |
| _ | Siiica (| | | 5,16 | L C | 1 | 61 | | 1 | | | | | |
| | Iron (F | | | 3/i | | 1. | 1,23 | | 1 | | | | ···· | |
| | Boron | | | F | 5.57 | 1:,- | 4.5 | | \ \ \ | | · | 1 | | |
| _ | Fluorid | | | 1,2 | (.73 | 1 | 6.27 | 1 | 1 | | | | | |
| · / | Nitrate | | | 12.7% | | 123 | | 1 | 1 | | | | | |
| <u>.</u> | - Nitrite | | | 1/2 | 2,03 | 4/24 | | | 1 | | | | | |
| _ | | nia (NH ₃) | | 4/:- | 51.3 | 4: A | | Ī | 1 | | | | | |
| , | Total K | jeldahl Nitroge | n (N) | 22 | C.38: | | 0.175 | | 1 | · | | | | |
| 1 | Phospi | nate (PO ₄) | | 1:14 | 5.15 | ¥ :4 | | <u> </u> | · | | | | | |
| , _ | Synder | s (Apparent LA | S) | ic. | < C3 | 1 | <.35 | 1 | | | | | - | |
| 7 | 1-10 | 5 | | يو ت 1 تر | | 4.5. F. J | 328 | \prod | 1 | | R | . K | KURIMOTO | |
| | CC | o (Fic | 12) | | 17 | | 24 | | ✓ | | | IAY | 14 1984 | |
| | 1 | ي دن المعان | | | 1.6 | | 2,5 | | 1 | | 1 | ואו | 1 1 100 | |
| | | | | | | | | | | | | | | |
| | 7, | ~pir. De | oth | | | | | | | | | | | |
| | 54 | | fer (asing | | | | | | ļ | | | | | |
| _ | | | mpol | | | | | \perp | <u> </u> | | ļ | | | |
| | | | | | | | <u> </u> | | | | | | | |

Chirley Wieng

MAY 20 1985

PURGEABLE ORGANIC ANALYSES · (Volatiles)

| • | REPORT PREI | PARED | | | DATE OF |
|----------------------------------|---------------|------------|-----------|-------------------------|------------------|
| ORATORY 200 Tea Quality | BY: (SIGNAT | TURE) F | ndey | | REPORT: 5-16-8 |
| ME: DWP- Water Quality | - | | | ı | NUMBER: : 05 706 |
| (TEM | | | C | | NUMBER: 103 706 |
| ELL NAME | • | | STATE WE | LLL | |
| IT/OR NUMBER: | | | NOTE LA. | | |
| CRIPTION OF Janns 18 | 97 | | | | |
| CPLING TOXIC | | SAMPLER | | | • |
| A PIER: CW Spangenberg | • | EMPLOYED | | | |
| A PLER: (W Spangenturg) ALE/TIME | DATE/TIME SAM | PLE | D) | ATE AL | NALYSES |
| LYPLE COLLECTED: 5-1-85 | RECEIVED & LA | B: J - 183 | the const | HILLE | TED: 5-6-85 |
| | | · listed b | | | |
| E-T METHODS: 624 GC/HS | REPORTING | STORET | ANALYS | | DETECTION |
| CONSTITUENT · | UNITS | CODE | RESULT | s . | LIMIT |
| - | ug/1 | 34030 | 1 1 10 | 1.12 | 11101.11 |
| enzene | ug/1 | 32101 . | | $ \nu _{\mathcal{D}}$ | 1 1 101.15 |
| r modichloromethane | ug/1 | 32104 | 1 1 1 | $\nu_{I^{\mathcal{D}}}$ | 1 1 101 - 15 |
| r_moform | ug/1 | 34413 | 1 1 1 | 1010 | -1 1 101.15 |
| rrmomethane | ug/1 | 32102 | 1 1 1 | INID | 1 1 101.15 |
| a bon tetrachloride | ug/1 | 34301 | 1 1 1 | $\mu_1\mathcal{P}$ | 11101.11 |
| hlorobenzene | ug/1 | 34311 | 1 1 1 | 1110 | 1 1 101.15 |
| 1 oroethane | ug/1 | 34576 | 1 1 1 | INID | 1 1 101.15 |
| -Chloroethylvinyl ether | ug/1 | 32106 | 1 1 1 | NID | 1 1 101.15 |
| 1 oroform | ug/1 | 34418 | iıı | NID | 1 1 101.15 |
| hloromethane | | 34273 | | INID | 1 1.1101.1 |
| (2-Chloroethyl) ether | . ug/1 | • | <u> </u> | 1410 | 1 1 1/1.10 |
| ibromochloromethane | ug/1 | 32105 | | | |
| ?-Dichlorobenzene | ug/1 | 34536 | 1 1 1 | 1012 | 1 101.15 |
| .3-Dichlorobenzene | ug/1 | 34566 | | 1012 | |
| 1-Dichlorobenzene | ug/1 | 34571 ' | | INID | 1 101.15 |
| ::hlorodifluoromethane | ug/1 | 34668 | | InlD | 1 1/101.1 |
| ,1-Dichloroethane | · ug/1 | 34496 | | IND | 1 101.15 |
| ?-Dichloroethane | u g/1 | 34531 | 111 | IUID | 1 101.15 |
| ,1-Dichloroethene | ug/1 | 34501 | | INID | 1 1 101.12 |
| :: \ns-1,2-Dichloroethene | <u>ug/1</u> | 34546 | 1111 | $\mu_1 \mathcal{D}$ | 1 |
| 2- Dichloropropane . | ug/1 | 34541 | 1 1 1 | 1010 | 1 |
| : 1-1,3-Dichloropropene | ug/1 | 34704 | | 1 N D | 11101.15 |

| FEABLE ORGANIC ANALYSES (Con | tinued) | | • | |
|------------------------------|-------------|---------|-----------------|-----------------|
| | Reporting | STORET | ANALYSES | DLTECTION |
| CONSTITUENT | UNITS | CODE | KESULTS | LIMIT |
| b-1,3-Dichloropropene | ug/1 | 34699 | 0 141 1 | 1 101.15 |
| benzene . | . ug/1 | 34371 | 111010 | 1101.15 |
| Tyrene chloride | . ug/1 | 34423 | 1 1<101.15 | 1 101.15 |
| .yl Ethyl Ketone | υg/1 | 81595 - | I I UID | 1 1 1 1 1 1 1 0 |
| : Yl Isobutyl Ketone | ug/1 | 81596 | פוער וו | 1 111.10 |
| 1,2,2-Tetrachloroethane | · υg/1 | 34516 | 1111010 | 1 1 101 · 15 |
| trachloroethene | ug/1 | 34475 | 11100 | 1 1 101 · 15 |
| l ene. | ug/1 | 34010 | עועו ו ו | 1 1 101 -11 |
| 1.1-Trichloroethane | ug/1 | 34506 | 014110 | 1 1 101.15 |
| 1 2-Trichloroethane | ug/1 | 34511 | I I INID | 1 1 101.15 |
| ichloroethene | ug/1 | .39180 | | 1 1 101 .15 |
| i hlorofluoromethane | ug/1 | 34488 | | 1 101.15 |
| nyl chloride | • ug/1 | 39175 | 1 1 1010 | 1 1 101.15 |
| 1 nes | ug/1 | 81551 | 1 1 1 1 1 1 1 1 | 1 1 101.111 |
| Note any unidentified peak | s below . | | | |
| Coroxicum | ugh | | ND | 5.0 |
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| emple No | Date Taken | Date Rec'd | Col | lector | | | | | escript | | | r | |
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| 1322 | 5-1-85 | 5-1-45 | a | NS | Ja | nns W | <u>e1</u> | 1489 | 1) | | | -anarahetk | |
| 1327 | 11 | , (| | 11 | Me | Brite 1 | (| <u> </u> | 8) | | UL- | 1 0 1985 | |
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| | | t. Cond | .[=4] | 287 | | 704 | | · | | | | | _ |
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| soc | | | 4:5 | 1.3 | <u></u> | 1./ | <u> </u> | 20.00 | | | | | 1- |
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| | actants | | 5/2 | 2.05 | 12 | 1.05 | 1 | <u> </u> | | | - | | - |
| Sodi | um (Na) | | 15 | . 18 | 5_ | 37 | 1 | | 1-1 | | | | +- |
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PURGEABLE ORGANIC ANALYSES · (Volatiles)

| | . (ADCALLE | _LJ/ | | | |
|--|----------------|---------------------|---|-----------------|--|
| No. of | REPORT PREPA | ARED | 0 | DATE OF | |
| BORATORY | BY: (SIGNATI | Bordey | REPORT: 5-28 | | |
| NAME: DWF- water Quality | | | | | |
| ey stem | | | | NUMBER: 05/0 | |
| ME: | | | STATE WELL | | |
| WELL NAME | | | NUMBER: | | |
| AND/OR NUMBER: | | | | | |
| EXCRIPTION OF LIPPLING POINT: Wicks Well | | SAMPLER | | | |
| WE OF | | SAMPLER EMPLOYED | BY: DWP | _ | |
| AMPLER: JGD | DATE/TIME SAMP | | DATE | analyses | |
| ATE/TIME | RECEIVED @ LAB | : 5-7-80 | COMPL | | |
| SAMPLE COLLECTED: 5-7-86 | ALLET C | Were all | the constitu | ents | |
| | • | | elow quantifi | ed? YCS | |
| EST METHODS: 624 GC/MS | REPORTING | STORET | ANALYSES | DETECTION LIMIT | |
| CONSTITUENT | UNITS | CODE | RESULTS | | |
| | ug/1 | 34030 | 11101.1 | | |
| enzene | ug/1 | 32101 | $ \mathcal{L} $ | D 1 1 101.15 | |
| Bromodichloromethane | ug/1 | 32104 | | 0 1 1 191 · 15 | |
| romoform | ug/1 | 34413 | 1111111 | 0-11101.15 | |
| Bromomethane | | 32102 | 1 1 1 12/13 | 11101.15 | |
| bon tetrachloride | ug/1 | 34301 | 1 1 1 ν | | |
| Chlorobenzene | ug/1 | 34311 | 1 1 101 | | |
| Thloroethane | ug/1 | 34576 | 1 | | |
| 2-Chloroethylvinyl ether | ug/1 | 32106 | 1 | ^ (| |
| Thloroform | ug/1 | | 1 1 121 | | |
| Chloromethane | ug/1 | 34418 | | _ | |
| bis (2-Chloroethyl) ether | ug/1 | 34273 | | | |
| Dibromochloromethane | ug/l | 32105 | $\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$ $\frac{1}{1}$ | | |
| 1.2-Dichlorobenzene | ug/1 | 34536 | 1 | | |
| 1.3-Dichlorobenzene | ug/1 | 34566 | $\frac{1}{1}$ | T / | |
| 1,4-Dichlorobenzene | ug/1 | 34571 | 1 1 1 9 1 1 | | |
| Dichlorodifluoromethane | ug/1 | 34668 | 111111111111111111111111111111111111111 | | |
| 1,1-Dichloroethane | · ug/1 | 34496 | 1 1 101 | | |
| 1,2-Dichloroethane | ug/1 | 34531 | 111111 | 1 - | |
| 1,1-Dichloroethene | ug/1 | 34501 | 111111 | . / | |
| trans-1,2-Dichloroethene | υ9/1 | 34546 | $\frac{1}{1}$ | | |
| | u 9/1 | 34541 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | • | |
| 1.2-Dichloropropane | ± | 34704 | | | |

| PROCEANLE ORGANIC ANALYSES (Cont.) | nucål | | | : Page |
|------------------------------------|--------------|------------------|-------------|--------------|
| | REPORTING | STORET | Analyses | DETECTION |
| CONSTITUENT | UNITS | CODE | PESULTS | LIMIT |
| gans-1,3-Dichloropropene | ug/1 | 34699 | IND | 1 101.15 |
| hyl benzene | ug/1 | 34371 | IIINID | 1 101.12 |
| ethylene chloride | . ug/1 | 34423 | IIID | 1101.1 |
| hyl Ethyl Retone | ug/1 | 81595 | 1 1 IVID | 1 151.10 |
| ethyl Isobutyl Ketone | ug/1 | 81596 | IIIVID | 1111.10 |
| ,2,2-Tetrachloroethane | ug/1 | 34516 | DIULI | 1 1 101 · 15 |
| | ug/1 | 34475 | قالاا ا | 1 101.15 |
| etrachloroethene | ug/1 | 34010 | סוטו ו ו | 1110111 |
| vene | ug/1 | 34506 | ILIUD | 1 1 101 · 15 |
| ,1,1-Trichloroethane | : ug/1 | 34511 | INDID | 1 1 101.15 |
| ,2-Trichloroethane | ug/1 | .39180 | לועו ו ו | 1 101-15 |
| richloroethene | ug/1 | 34488 | IIIID | 1 101.15 |
| chlorofluoromethane | υg/ 1 | 391 7 5 . | 111110 | 1 1 101.15 |
| inyl chloride | ug/1 | 81551 | 1 1 1 1110 | 11101.11 |
| i lenes | • | | | • |
| | | | 4.0 | |
| 1. 2 dichlorocthere | · ng/ | | . <i>VD</i> | .0:5 |
| 1 2 3 tricllorograpane | ug/ | <u>e</u> | νD | 0.5 |
| 11 | 01' | | | • |
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JEFF DOBROWOLSKI

MAR 3 1 1985

O. J. ROGERS

MAR 26 1900

3-28-20

MAR 2 6 1386

PURGEABLE ORGANIC ANALYSES

· (VOLATILES)

Shiriey Chelik DATE OF

| • | (TOLATTE | | | DATE OF |
|---------------------------|--------------------|----------|---|---------------------------------------|
| | REPORT PREPA | RED | | REPORT: 3-24-82 |
| DRATORY DATE Ought | BY: (SIGNATU | RE) Je | waey | |
| ME: DWP- water Quality | | • | v | NUMBER: 05838 |
| 1 TEM | | | STATE WELL | |
| E: ELL NAME | | | NUMBER: | |
| rn/or number: | | | | |
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| AMPLING POINT: Wicks Will | 70117 | SAMPLER | 210 | |
| THE OF | | EMPLOYED | BY: DWP | · · · · · · · · · · · · · · · · · · · |
| PLER: JGD | DATE/TIME SAMPL | æ . | DATE | ANALYSES ETED: 3-17-82 |
| DATE/TIME | RECEIVED @ LAB: | 3-11-X | the constitu | |
| EXPLE COLLECTED: 3-11-80 | | Mere all | elow quantifi | ed? 900 |
| ST METHODS: 624 GC/MS | · | STORET | ANALYSES | DETECTION |
| ST LETHOSE . | REPORTING UNITS | CODE | RESULTS | . LIMIT |
| CONSTITUENT | | | 1 1 101.1 | 7 1 101.11 |
| | <u>ug/1</u> | 34030 | 1 1 101 | |
| E-nzene | ug/1 | 32101 | $111P_1$ | |
| Promodichloromethane | ug/1 | 32104 | 111011 | 8 1 1 121 · 15 |
| : Onioform | ug/1 | 34413 | 1 1 1 1/1 | p-1101.15 |
| Br Thomethane | ug/1 | 32102 | I I I IV | 7 1 1 101.15 |
| on tetrachloride | | 34301 | 1 1 101/1 | 2 1 1 101-11 |
| Chlorobenzene | ug/1 | 34311 | 1 1 10 1 | |
| lloroethane | ug/1 | 34576 | 11111 | - 1 |
| 2-Chloroethylvinyl ether | ug/1 | | ν | |
| nloroform | ug/1 | 32106 | 1 1 1 10 | |
| chloromethane | ug/1 | 34418 | 1111 | |
| is (2-Chloroethvl) ether | ug/l | 34273 | 11111 | |
| ibromochloromethane | uq/l | 32105 | | |
| 1,2-Dichlorobenzene | ug/1 | 34536 | 111/10 | |
| .3-Dichlorobenzene | ug/1 | 34566 | 1111 | |
| 1,4-Dichlorobenzene | ug/1 | 34571 | 11171. | |
| | ug/1 | 34668 | _ | D 1 121·10 |
| Dichlorodifluoromethane | · ug/l | 34496 | 1 1 1 10 | |
| 1,1-Dichloroethane | ug/1 | 34531 | 111111111111111111111111111111111111111 | 10 1 101.15 |
| . 1,2-Dichloroethane | ug/1 | 34501 | 1 | 101.12 |
| 1,1-Dichloroethene | ug/1 | 34546 | 1111 | IP 1 101.15 |
| trans-1,2-Dichloroethene | ug/1 | 34541 | 11111 | 1D 1 1 101.15 |
|) ?-Dichloropropane | ug/1 | 34704 | 11111 | ID 1 1 101.12 |
| s-1,3-Dichloropropene | <u>.</u> | | | |

| continue and the second | nued) | | | . 1600 6 0 |
|---------------------------------|--------------|---|-------------------|--------------------|
| TGEAPLE ORGANIC ANALYSES (Conti | REPORTING | STORET | ANALYSES | DETECTION LIMIT |
| CONSTITUENT | UNITS | CODE | FESULTS | |
| r[ns-1,3-Dichloropropene | ug/1 | 34699 | 1111110 | 11101.12 |
| tuyl benzene | ug/1 | 34371 | | 1 101.15 |
| | , ug/1 | 34423 | | 1 1 101 15 |
| hylene chloride | ug/1 | 81595 | 111111 | 1 1 151.10 |
| elhyl Ethyl Retone | ug/1 | 81596 | מוען ווו | 111/1.10 |
| athyl Isobutyl Ketone | ug/1 | 34516 | 1 1 1 1/12 | 1 1 101 · 15 |
| ,2,2-Tetrachloroethane | ug/1 | 34475 | I I I IVIP | 1 1 101.15 |
| etrachloroethene | | 34010 | 1 1 1 1212 | |
| vene | ug/1 | 34506 | 1 1 1 1 1 1 2 | 1 101.15 |
| ,1,1-Trichloroethane | υg/ 1 | <u> </u> | | 1 101.15 |
| ,2-Trichloroethane | . ug/1 | 34511 | 1110116 | |
| 'richloroethene | ug/1 | 39180 | 1 1 1 1 2 | |
| chlorofluoromethane | ug/1 | 34488 | 1 1 1012 | T 1 |
| inyl chloride | ug/1 | 39175 | | |
| | υ 9/1 | 81551 | 111111 | 11101.11 |
| lenes | | | | |
| | | 7, | . N | 0.0:5 |
| lis 1, 2 dichorothere | / | <u> </u> | | 0.5 |
| 1, 2, 3 triclorograpane | - ug/ | <u>,e </u> | ~ ~ ~ | |
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JAN 09 1985

O. y. RÜĞERS JAN 07 1985

PURGEABLE ORGANIC ANALYSES (Volatiles)

| LURATORY | REPORT PR | EPARED | | DATE OF | | |
|--|---------------|------------------|---------------------|--------------------|--|--|
| ME: DWP- Water Quali | ty BY: (SIGN | ATURE) J.J. | Bordey | REPORT: 12-18-84 | | |
| : :EM | J | | d | | | |
| 1.2: | | | - | NUMBER: 05415 | | |
| ILL NAME | | | STATE WELL | | | |
| OR NUMBER: | | | NUMBER: | | | |
| MPLING POINT: Wicks whi | 1 4897 A | | | | | |
| J ? OF | ~ <u> </u> | SAMPLER | | | | |
| MPLING POINT: Wicke who JOSER: CW Scangeling TECTIME | | EMPLOYED | BY: Dup | | | |
| IL/ TIPLE | DATE/ILLE SK | | | NALYSES | | |
| Marte Collected: 12-13-84 | RECEIVED @ L. | AB: 12-12-1 | | | | |
| ST METHODS: GC/HS | | | the constitue | | | |
| ST METHODS: CC/143 | REPORTING | STORET | elow quantifie | | | |
| CONSTITUENT | UNITS | CODE | RESULTS | DETECTION LIMIT | | |
| | /> | 24020 | | | | |
| nzene | ug/1 | 34030 32/0/ | 1 1<1/1.1 | | | |
| • podichloromethane | ug/1 | 33101 | 1 1 1 1 1 1 1 1 1 1 | 1111 | | |
| unoform | u g/1 | 32104 | I I VIDI | 1111 | | |
| Comethane | u g/1 | 34413 | 1 1 1 1 1 1 1 1 | - 1 1 1 1 . | | |
| :_n tetrachloride | u g/1 | 32102 | 1 10101 | | | |
| lorobenzene | u g/1 | 34301 | 1 1<1/1.1 | | | |
| proethane | u g/1 | 34311 | 1 1 1 1 1 1 1 1 1 | | | |
| Chloroethylvinvl ether | ug/1 | 34576 | 1 I IDIU | | | |
| i proform | υ9/1 | 32106 | 1 1 1 1 1 1 1 1 | 11111 | | |
| lorome thane | ug/1 | 34418 | 1 10101 | | | |
| (2-Chloroethyl) ether | . ug/1 | 34273 | 1 1 1 1 1 1 1 1 | | | |
| bromochloromethane | ug/1 | 32105 | 1 1. INIDI | | | |
| -Dichlorobenzene | ug/1 | 34536 | 1 < 1/1.1 | | | |
| D-Dichlorobenzene | ug/1 | 34566 | ועומו ו | | | |
| 4-Dichlorobenzene | 09/1 | 34571 | 1 191.11 | | | |
| ()lorodifluoromethane | ug/1 | 34668 | ועוטווו | | | |
| 1-Dichloroethane | ·ug/l | 34496 | 1 I I I I I I I | | | |
| : -Dichloroethane | U 9/1 | 34531 | 1 1 1 1 1 1 1 1 | | | |
| 1-Dichloroethene | υg/1 | 34501 | 1 1 NID1 | 1 1 1 1 | | |
| i 15-1,2-Dichloroethene | u 9/1 | 34546 | 1 1 10101 | 1 1 1 1 1 | | |
| 2, ~ichloropropane | ug/1 | 34541 | i j i DiDj | 1111 | | |
| 2.3-Dichloropropene | ug/1 | 34704 | 11147 | | | |

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|--|-----------------|----------------|---------------------|--------------------|--------------|
| CONSTITUENT | REPORTING UNITS | STORET CODE | ANALYSES PESULTS | DETECTION LIMIT | |
| 1-1.3-Dichloropropene | ug/1 | 34699 | 1110101 | 4 4 4 4 4 | |
| vi benzene | ug/1 | 34371 | וחואווו | | |
| lene chloride | . ug/l | 34423 | 11411.1 | | ├ - |
| hyl Ethyl Retone | ug/1 | 81595 | 1 1 IVIDI | 11111 | - |
| Til Isobutyl Ketone | ug/1 | 81596 | I I NI DI | | |
| 2.2-Tetrachloroethane | ug/1 | 34516 | 1 1 1 1 1 1 1 | | |
| pchloroethene | ug/1 | 34475 | 1 1 1 1 1 0 1 | | |
| enjotoce | ug/1 | 34010 | 1110101 | 11111 | |
| -1-Trichloroethane | ug/1 | 34506 | 1 1 10101 | | + |
| 2-Trichloroethane | · ug/1 | 34511 | 1110101 | 1111 | - |
| chloroethene | ug/1 | 39180 | 1110101 | 11111 | |
| hlorofluoromethane | ug/1 | 34488 | 1 1 1 1 1 1 1 1 1 | | - |
| nyl chloride | ug/1 | 39175 | ול ועו ו ו | | - |
| l nes | ug/1 | 81551 | 1114/1.1 | 11111 | |
| Note any unidentified peaks | s below . | | | | |
| Part of the control o | | | | | |
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| [] | · | | | | |



APPENDIX C WELL COMPLETION REPORTS

1 1 2 1



3420 N. SAN FERNANDO BLVO, SUITE 200 BURBANK, CALIFORNIA 91504 818-848-0214 PANAFAX 818-848-1674

December 30, 1987

Cal Mat Properties 3200 San Fernando Road Los Angeles, California 90065

Project No. 58-7057

Attention: Mr. George Cosby

Gentlemen:

Completion Report

Construction of Second Downgradient Monitoring Well - Hewitt Landfill

Los Angeles, California

The completion report for the new Second Downgradient Monitoring Well for Hewitt Landfill is attached. This well was installed as part of the landfill SWAT program. The report includes construction details, and a description of materials encountered.

If you have any questions regarding this information, please do not hesitate to contact us.

Yours very truly,

LAW ENVIRONMENTAL, INC.

by

Vincent Richards Staff Geologist

Vinent M. Relatz

hv

Glenn A. Brown, C.E.G. 3 Senior Vice President

COMPLETION REPORT

CONSTRUCTION OF SECOND DOWNGRADIENT MONITORING WELL

HEWITT LANDFILL

LOS ANGELES, CALIFORNIA

Project No. 58-7057



INTRODUCTION

This report describes the construction of CalMat Company's Second Downgradient Well at the Hewitt Landfill. The well is located in the North Hollywood District of Los Angeles, California, 800 feet north of the northwest corner of Sherman Way and Laurel Canyon Boulevard (see Figure 1).

Well drilling, casing construction, and development of the Second Downgradient Well was provided by Howard Pump, Inc. of Barstow, California. Geophysical logging of the borehole was provided by Welenco, Inc. of Bakersfield, California. Logging of the alluvial materials penetrated, documentation of construction practices, well design, and testing were provided by Law Environmental, Inc. of Burbank, California. All work related to well design and construction supervision was carried out in accordance with verbal authorization from Mr. George Cosby.

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable geologist practicing in this or similar localities. No other warranty, expressed or implied is made as to the professional advice included in this report.





HYDROGEOLOGIC CONDITIONS

The lithologic log of the well is presented in Appendix A. The material penetrated by the boring consists of Pleistocene alluvial material derived from San Gabriel Mountains to the north. The alluvial material is predominantly sand and sandy gravel with numerous cobble zones and occasional interbeds of clay and silt. The clay and silt layers became more prominent below 280 feet. The lithologic log indicates that the alluvial materials beneath the site are highly permeable. Ground water was encountered below 250 feet in unconfined conditions.

WELL CONSTRUCTION

Drilling commenced on November 23, 1987 using a conventional rotary mud method and bentonite drilling mud to stabilize the borehole and remove drill cuttings.

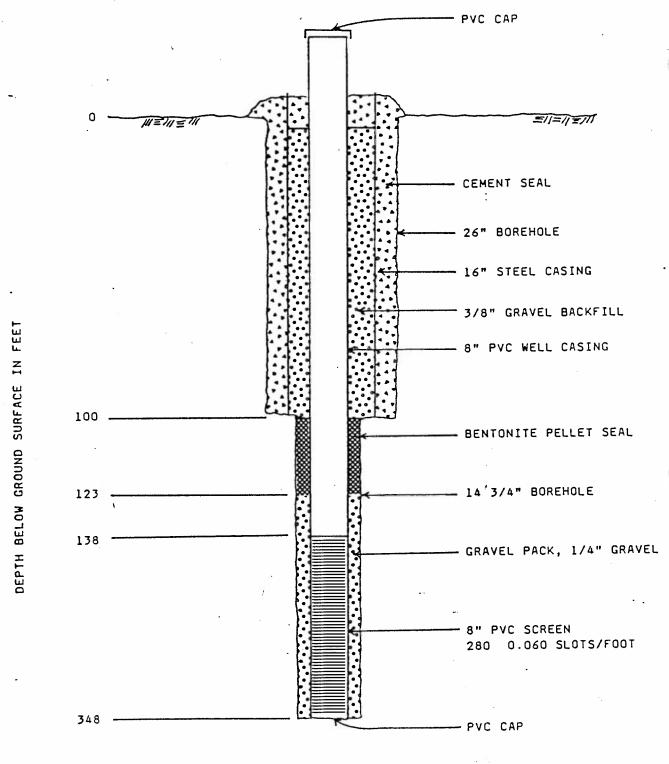
On November 25, 1987, a 9-7/8-inch-diameter pilot hole was drilled to a final depth of 348 feet, and geophysical logging of the borehole was performed (Appendix B). Based on review of the lithologic, gamma-ray, and electric logs, a final well design was completed.



On December 1, 1987, a 26-inch conductor borehole was drilled to a total depth of 100 feet. A 16-inch-diameter conductor was set in the borehole and cemented into place. On December 4, 1987, the well borehole was reamed to a 14-3/4-inch diameter and a total depth of 348 feet below ground surface on December 4, On December 7, the drilling mud in the borehole was thinned and 8-inch PVC casing and screen placed to the bottom of Schedule 80 PVC slotted casing, 280 0.060-inch the borehole. slots/foot, was set between the depths of 138 feet and 348 feet. Well construction details are presented on Figures 2 and 3. annular space between the borehole and well screen was filled by 1/4-inch crushed gravel using a Bobcat loader. The gravel pack was placed to 123 feet below ground surface and covered with bentonite pellets, which filled the borehole to the bottom of the conductor casing. The remainder of the borehole was filled with 3/8-inch gravel to the surface.

WELL DEVELOPMENT

Well development was conducted in two separate phases. On December 9 and 10, the well was bailed using a 6-inch bailer for a total time of eight hours. Partial clearing of the water was observed. On December 16, the well was partially developed using a 6-inch turbine pump set at 300 feet. Development consisted of surging the well by the on-off action of the pump. Discharge



NOT TO SCALE

WELL CONSTRUCTION DETAIL SECOND DOWNGRADIENT WELL

FIGURE 2



MONITORING WELL CONSTRUCTION DETAILS WELL NO. - SECOND DOWNGRADIENT WELL

| JOB NAME CAL MAT PROPERTIES Date Construction Commenced 11-23-87 Drilling Contractor Howard Pump Supervision By YINGE RICHARDS Signature WELL LOCATION |
|---|
| Drilling Contractor Howard Pump Supervision By Yinge Richards - STEVE McArdle Signature WELL LOCATION |
| Supervision By VINCE RICHARDS - STEVE MEARINE Signature WELL LOCATION |
| WELL LOCATION |
| WELL LOCATION |
| Comment to the last Autores |
| State CALIFORNIA County LOS ANGELES City |
| Coordinates |
| |
| BOREHOLE DRILLING |
| Conductor Borehole: Depth 100 feet Diameter 26 inches |
| Drilling Method ROTARY Drilling Fluid BENTONITE + FRESH WATER |
| Drilling Method ROTARY Drilling Fluid BENTONITE T FRESH WATER Well Borehole: Depth 314 inches |
| Well Borehole: Depth 374 inches Drilling Method ROTARY Drilling Fluid BENTONITY + FRESH WATER |
| |
| WELL CONSTRUCTION |
| Conductor Casing Material STEEL ASTM |
| Length 100 feet ID 16 inches Wall 25 inches |
| Well Casing Materials SCHEDULE BO PVC FLUSH THREADED ASTM |
| Length 13.8 fact ID 8 inches Wall inch |
| Well Screen Type Schrouse 80 PVC Schrouse 80 ASTM |
| Material PVC SCHT RULE & ASTM |
| Length 200210 feet ID 8 inches Wall inches |
| Length 200210 feet ID 8 inches Wall inche Siots/foot 280 Length inches Width inches |
| Filter Pack Material |
| Placement Method DUTP |
| Sealant Materials BENTONITC PCLICTS Volume 19 cu. fe |
| Volume Cu. fer |
| Placement Method CRAVITY |
| Protective Well Cap Type PVC CAP |
| Well Development Procedure BAILING + PUTT TURBING PURPING |
| Duration/2 hours Volume Pumped |
| |
| WELL TESTING |
| Date of Test 12/17/87 Type ConsTANT DISCHARGE Duration 2.5 hou |
| Discharge Rate 200 gpm Pumping Water Level 253-3 253. Te |
| Specific Capacity 167 gpm/ft Static Water Level 252.3 fe |
| Sand Content |
| Turbidity CIEAR Odors NONE |
| Elec. Conductance — micromhos/cm pH — Temperature — 60 |
| Elou condition pri remperatore |
| REFERENCE ELEVATIONS |
| Surface Elevation feet Top of Casing Elevation feet |
| Reference Point Elevation for Water Level Measurements |
| |
| Description of Heference Point |
| Description of Reference Point |
| |
| |
| |
| REMARK |



ranged from 50 to 220 gpm. During the discharge period, no visual turbidity was noted.

AQUIFER TESTING

On December 17, a short aquifer test was made on the well. Using the 6-inch turbine pump set at 300 feet, a constant discharge of 200 gpm was held for 2.5 hours. Drawdown was measured by use of an air line and pressure gauge. A summary of these measurements and test data are included in Appendix C.

The available field data from the pump test on the well indicates a transmissivity of 4.6×10^2 g/ft²/d. Calculations are shown in Appendix D.

CURRENT STATUS

On December 18, 1987, the turbine pump was withdrawn from the well, and the well is now awaiting permanent installation of a monitoring pump.

APPENDIX A LITHOLOGIC LOG

LITHOLOGIC LOG

Owner: CalMat Properties

Well No. Second Downgradient

USGS No.

Orilled by: Howard Pumps

Location: CalMat Storage Yard, 800' North of the NW corner of Sherman Wy., and Laurel Cny.

Orilling method: Mud Rotary

Date completed: 12-7-87

Borehole depth: 348 Ft.

Borehole diameter: 14 3/4 inches

Casing: PVC Sch. 80, 2 Ft. above ground to 133 Ft.

Perforations: PVC Sch. 80 w/280 0.060 slots/foot 138-348 Ft.

Yield: 200 gpm

Static water level: 252.3 Ft.

Drawdown: 1.2 Ft.

Specific capacity: 167 gpm/ft

Electrical conductance:

micromhos

| Ground elevation: | | | Top of casing elevation: |
|-------------------|---|------------------|---|
| Depth | Graphic Log | | Description of Materials |
| | | SAND & GRAVEL | Predominantly grey to brown fine to coarse grained sand with varing amounts of quartz rich gravel and approximately 5% micaceous silt |
| 20 | | | Increasing gravel 30% and coarse grained sand |
| 40 | | | |
| 60 | 00000 o o o o o o o o o o o o o o o o o | | At 50' 80% pea gravel, predominantly quartz diorite and granite Chatter Brown to tan sand with gravel |
| 80 | | | Chatter |
| 100 | | | Chatter Sand grain size decreasing, with silt increasing Chatter Sand increasing |

Conductor casing: 16 inch diameter steel casing 0-100 feet Remarks:

LITHOLOGIC LOG

Second Downgraien
Well No. Wall

| | | | Well No. Wel |
|--------------------|----------------|------------|--|
| Depth | Graphic Log | | Description of Materials |
| 120 | | | |
| | | | |
| | | | Fine to medium sand |
| | | • | rine to medium sand |
| | | | |
| 140 - | | | |
| 140 | | | Chatter |
| | 30,000 | | Chatter |
| | | | |
| | | | • |
| | 0.0000 | | |
| 160 - | 0.0000 | | Chatter |
| 100 - | | • | · |
| | | | |
| * | فنع عنه م | SILTY CLAY | Brown silty clay with a small amount of fin- |
| | | | to coarse grained sand and gravel. Some |
| | | | plasticity, sand increasing with depth |
| 180 - | | | |
| | | | |
| | α | | |
| | 2 | SAND & | Brown to grey, fine to coarse grained sand |
| | | GRAVEL . | with varying amounts of gravel |
| ! | | GIGATED . | Aren Agrand guioduca or Brazer |
| 200 - | P. 30, 40, 71 | * | Chatter |
| | | | |
| | | | • |
| | | , | |
| | | | |
| | | 4 | |
| · 220 - | | 1 | • |
| | | (| • |
| | 2.00.00 | | 21 |
| - | 1.0°.2° | | Chatter |
| | | | |
| | | | |
| 240 - | | • | |
| | 0 0 0 0 | | Sandier |
| | 1000:19:49 | | |
| | | | Chatter |
| | 5.00 | | |
| | | | |
| 260 - | | | |
| | | | |
| | | | |
| | | | Themselms survey 1 seeksah |
| | 26000 | | Increasing gravel content Chatter |
| | 0.40.0. | | |

LITHOLOGIC LOG

Second Downgradien Well No. Well

| Depth | Graphic Log | Log | | | | | | |
|-------|----------------|------------------------------|--|--|--|--|--|--|
| 280 | 209 | SANDY CLAY to CLAYEY SAND | Brown sandy clay and clayey sand with gravel and occasional cobbles, clay increas with depth | | | | | |
| 300 | | SAND & GRAVEL | Brown, fine to coarse grained sand with gravel, and occasional clay and cobble interbeds | | | | | |
| | 008.80% | | Chatter | | | | | |
| 320 | | | Chatter . | | | | | |
| | | | | | | | | |
| 340 | | | Chatter | | | | | |
| | <u> </u> | · | Total Depth - 348 Feet | | | | | |
| 360 | | 7 | Total Depth - 546 Feet | | | | | |
| | | ٠., | | | | | | |
| | | | | | | | | |
| • | | | | | | | | |
| | - | · | | | | | | |
| | | | | | | | | |
| | - | | | | | | | |
| | | | | | | | | |

APPENDIX B

GEOPHYSICAL LOGS

Received: 27 FEB 87 Reported: 17 MAR 87

Alice Campbell LeRoy Crandall & Associates 900 Grand Central Ave. Glendale, CA 91201-3009

Project: E-87057

REPORT OF ANALYTICAL RESULTS

Page 5

| Log Number: 87-02-486-2 Sample Description: Sample # | 2 | | General Mineral Analys Sampled Date 27 FEB | | |
|---|------------------------------------|-------------|--|---|--|
| Anions | mg/L | meq/L | Determination | mg/L | |
| Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) Total Milliequivalents per L | 28 35 56 350 0 | 0.99 | Hydroxide Alk (as CaCO3) Carbonate Alk (as CaCO3) Bicarb Alk (as CaCO3) Ca Hardness (as CaCO3) Mg Hardness (as CaCO3) Total Hardness (as CaCO3) Iron Manganese | 0.0 0.0 290 270 78 348 <0.02 0.009 | |
| Cations | mg/L | meq/L | Copper Zinc | <0.02 <0.03 | |
| Sodium Potassium Calcium (EDTA Titration) Magnesium | 30 4.4 110 19 | 0.11 5.5 | Surfactants Filterable Residue (TDS) Sp. Conductance, umhos/cm pH, units | 0.0 450 760 7.6 | |
| Total Milliequivalents per L | iter | 8.5 | | ••••• | |

^{*} Conforms to Title 22, California Administrative Code

Edward Vilson, Laboratory Director

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. . . . =

Received: 27 FRB 87 Reported: 17 MAR 87

Alice Campbell LeRoy Crandall & Associates 900 Grand Central Ave. Glendale, CA 91201-3009

Project: E-87057

REPORT OF ANALYTICAL RESULTS

Page 4

| Anions | mg/L | meq/L | Determination | mg/L | |
|--|-------------------------------------|--------------------------------------|--|---|--|
| Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) Total Milliequivalents per L | 0.6 16 <1 340 0 | 0.0097 0.45 <0.021 5.6 0 | Bicarb Alk (as CaCO3) Ca Hardness (as CaCO3) Mg Hardness (as CaCO3) Total Hardness (as CaCO3) Iron | 0.0 0.0 2 1. 82 202 <0.03 | |
| Cations | mg/L | meq/L | Manganese Copper Zinc | <0.03 <0.03 | |
| Sodium Potassium Calcium (EDTA Titration) Magnesium | 46 13 50 20 | 2 0.33 2.5 1.6 | Surfactants Filterable Residue (TDS) Sp. Conductance, umhos/cm | <0. 30 57 7. | |

^{*} Conforms to Title 22, California Administrative Code

Received: 27 FEB 87 Reported: 17 MAR 87

Alice Campbell LeRoy Crandall & Associates 900 Grand Central Ave. Glendale, CA 91201-3009

Project: E-87057

REPORT OF ANALYTICAL RESULTS

Page 3

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER SA | MPLBS | DAT | E SAMPLED |
|----------------------|-------------------------------------|------------------------|--------------|-----------|
| 02-486-1 02-486-2 | Sample #1 Sample #2 | 27 FEB 87 27 FEB 87 | | |
| PARAMETER | | 02-486-1 | 02-486-2 | |
| | roethylene, ug/L | 200 | 6 | |
| | ethylene, ug/L | 45 | 71 | |
| | fluoromethane, ug/L | <1 | <1 | |
| Toluene, | | <1 | <1 | |
| | oride, ug/L | <1 | <1 | |
| trans-1 2 | -Dichloroethylene, ug/L | 21 | <1 | |
| | -Dichloropropene, ug/L | <1 | <1 | |
| Other Vo | 1.Pri.Poll. (EPA-624) | | | |
| Semi-Quan | tified Results ** | 70 | | |
| Dichloro | fluoromethane, ug/L | 70 | | |
| Dichloro | | 70 stal ion count of | the compound | with |

Received: 27 FEB 87 Reported: 17 MAR 87

Alice Campbell LeRoy Crandall & Associates 900 Grand Central Ave. Glendale, CA 91201-3009

Project: E-87057

REPORT OF ANALYTICAL RESULTS

Page 2

| | SAMPLE DESCRIPTION, GROUND WATER SAMPI | DATE SAMPLE | | | |
|------------------------------------|--|--------------|---------------|------------------------|--|
| LOG NO 02-486-1 02-486-2 | Sample #1 | | | 27 FEB 87 27 FEB 87 | |
| PARAMETER | Sample #2 | 02-486-1 | 02-486-2 | | |
| | oll. (BPA-624) | 03/13/87 | 03/13/87 | | |
| Dilution | Factor, Times 1 | 1 9 | 4 | | |
| 1 1 1-Tri | ichloroethane, ug/L | κî | <1 | | |
| 1.1.2.2-7 | Tetrachloroethane, ug/L | <u><1</u> | <1 | | |
| 1.1.2-Tr | ichloroethane, ug/L | 46 | <1 | | |
| 1,1-Dich | loroethane, ug/L | 10 | <1 | | |
| 1,1-Dich | loroethylene, ug/L | <1 | <1 | | |
| 1,2-Dich | loroethane, ug/L | 9 | <1 | | |
| 1,2-Dich | loropropane, ug/L | <1 | <1 | | |
| 1,3-Dich | loropropene, ug/L | <1 | <1 | | |
| 2-Chloro | ethylvinylether, ug/L | <10 | <10 | | |
| Acrolein | , ug/L | <10 | <10 | | |
| Acrylon1 | trile, ug/L | <1 | <1 | | |
| Bromodic | hloromethane, ug/L | <1 | <1 | | |
| Bromomet | hane, ug/L | <1 | <1 | | |
| Benzene, | ug/L | <1 | <1 | | |
| Chlorobe | nzene, ug/L | <1 | <1 | | |
| Carbon 1 | etrachloride, ug/L | <1 | <1 | | |
| | hane, ug/L | <1 | <1 | | |
| Bromofor | | 6 | <1 | | |
| Chlorofo | thane, ug/L | <1 | <u> </u> | | |
| Chlorome | chloromethane, ug/L | (1 | < 1 | | |
| DIDLOWOO. | zene, ug/L | <1 | <1 | | |
| Methyler Methyler | ne Chloride, ug/L | 2 | <1 | | |

Received: 27 FEB 87 Reported: 17 MAR 87

Alice Campbell LeRoy Crandall & Associates 900 Grand Central Ave. Glendale, CA 91201-3009

Project: E-87057

Page 1 REPORT OF ANALYTICAL RESULTS DATE SAMPLED SAMPLE DESCRIPTION, GROUND WATER SAMPLES LOG NO 27 FEB 87 02-486-1 Sample #1 27 FEB 87 02-486-2 Sample #2 02-486-1 02-486-2 <3 6 Total Organic Carbon (TOC), mg/L 03/02/87 03/02/87 Dissolved Digestion, Date

LOG NO: P84-11-118

Received: 08 NOV 84 Reported: 06 DEC 84

Project: E-81001

Leroy CRANDALL & ASSOCIATES 711 N. ALVARADO ST. LOS ANGELES, CA 90026

ATTN: Mervin Johnson

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER SAMPL | ES | DATE SAMPLED |
|--|--|---|--------------|
| 11-118-1 | HEWITT WELL #1 | | 08 NOV 84 |
| PARAMETER | | 11-118-1 | |
| Extraction Acrolein, use Acrylonitri Ethylbenzen Tetrachloro | g/L le, ug/L e, ug/L ethylene, ug/L | 11/19/84 <10 <10 3 3 8 <1 | |
| Xylene Ison ** Quantif total ion | fied Results ** mers, ug/L ication based upon comparison of count of the compound with that of the ternal standard | 20 | |
| | | | |

Edward Wilson, Laboratory Director



BROWN AND CALDWELL

CONSULTING ENGINEERS

ANALYTICAL SERVICES DIVISION

373 SOUTH FAIR OAKS AVE. PASADENA, CA 91105 PHONE (213) 795-7553 Log No. P84-11-118-1

Date Sampled 11/08/84
Date Received 11/08/84
Date Reported 12/06/84

LeRoy Crandall

711 N. Alvarado Street

Reported To:

Los Angeles, CA 90026

Attn: Alice Campbell

cc.

_

Education Director

| Sample Description | Hewitt | Well #1 | · • | | | | |
|--|-------------------------------------|--------------------------|--|-------------------------|---------------|---------------------|--|
| Anions | Miligrams per liter | Milliequiv. per liter | Determination | Milligrams per liter | Determination | Milligra per lit | |
| Nitrate Nitrogen (as NO ₃) | 15 | 0.24 | Hydroxide Alkalinity (as CaCO ₃) | 0.0 | | | |
| Chloride | 22 | 0.63 | Carbonate Alkalinity (as CaCO ₃) | 0.0 | | | |
| (** ate (as SO ₄) | 220 | 4.6 | Bicarbonate Alkalinity (as CaCO ₃) | 250 | | | |
| Bicarbonate (as HCO ₃) | 300 | 4.9 | Calcium Hardness (as CaCO ₃) | 240 | 240 | | |
| Carbonate (as CO ₃) 0.0 | | 0.0 | Magnesium Hardness (as CaCO ₃) | 60 | | | |
| Total Milliequivalents per L | Liter | 10 | Total Hardness (as CaCO ₃) | 300 | | | |
| Cations | Milligrams per liter | Milliequiv. | Iron | < 0.059 | | | |
| Sodium | 34 | 1.5 | Manganese | < 0.032 | | | |
| Potassium | 3.5 | 0.09 | Copper | < 0.06 | | | |
| Calcium | 95 | 4.7 | Zinc | < 0.013 | , | | |
| Magnesium | Magnesium 14 | | Foaming Agents (MBAS) | < 0.10 | | | |
| otal Milliequivalents per L | otal Milliequivalents per Liter 7.5 | | Dissolved Residue, Evaporated @ 180℃ | - 140,000 | 40 | | |
| Conforms to Title 22, Californi California Domestic Water Qua Legulations) | | | Specific Conductance, micromhos @ 25°C | 830 | рН | 7. | |

^aData rechecked and found to be true

| | ORGANICS (ppb) | | (ppb) | TRACE | TRACE ELEMENTS (ppm) | | | TRACE ELEMENTS (ppm) | | | | | | | | |
|----------------------|-------------------------------------|------------|---------------------|----------|----------------------|-------|------------------|----------------------|-----------------------|-------------------------|--------|-----------------------------|------------------|----------------|------------------|-------------------------|
| POINT | DATE | TCE | PCE | 1,2DCA | A1 | A9 | As | Cd | Cu | Fe | Н9 | Mn | Pb | Ni | Se | Zn |
| 1-UP 1-UP 1-UP | 08-Nov-84 27-Feb-87 04-Apr-88 | | 3.0 200.0 2.0 | <1 | <0.2 | <0.02 | <0.002 | <0.02 | <0.6 <0.2 <0.02 | 0.590 <0.02 1.200 | | 0.032 <0.050 0.012 | | <0.04 | <0.004 | 0.013 <0.03 0.170 |
| 2-DN 2-DN 2-DN | 23-Jan-85 27-Feb-87 04-Apr-88 | 71.0 | | <1 | <0.2 <0.2 | | <0.002 <0.002 | | <0.02 | <0.13 <0.02 1.300 | <0.000 | <0.04 8 0.009 8 0.008 | <0.002 <0.002 | <0.04 <0.04 | <0.004 <0.004 | |
| 3-DN | 04-Apr-88 | c 1 | < 1 | d | <0.2 | <0.02 | <0.002 | <0.02 | <0.02 | 0.900 | <0.000 | 8 0.050 | <0.002 | <0.04 | <0.004 | 0.030 |

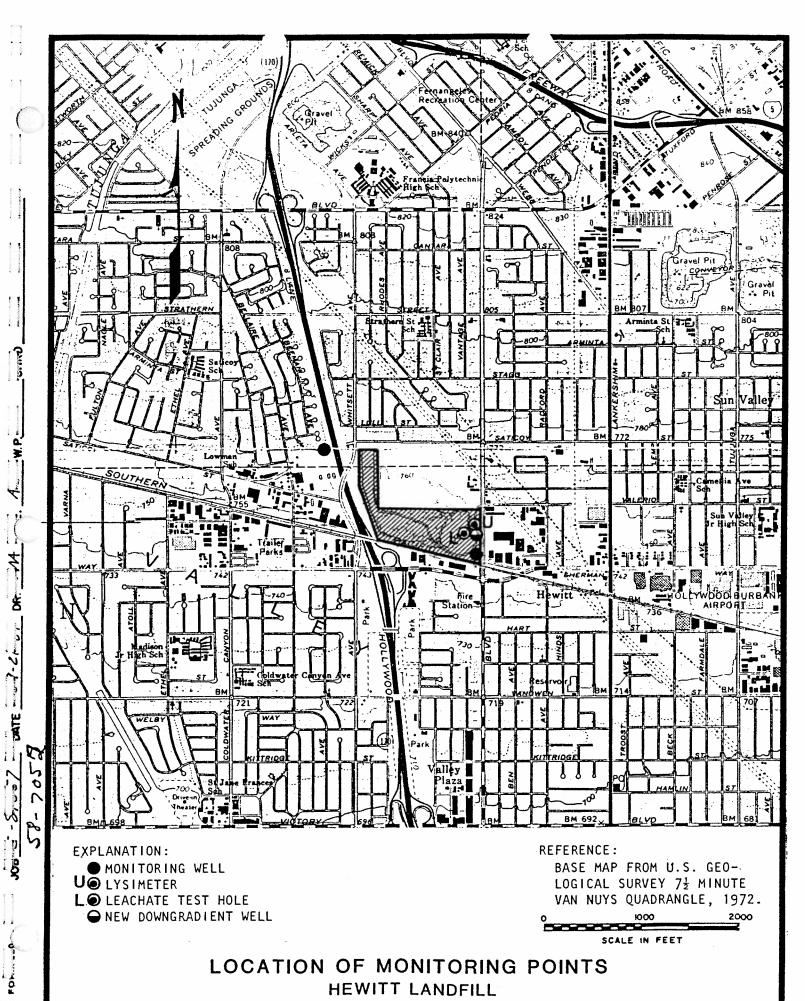


GROUND WATER DATABASE REV: Jun-88 FIELD MEASUREMENTS (ppm) WAT LEV (ft.) LABORATORY ANALYSES (ppm) GENERAL MINERAL (ppm) REF PT. W S E FpH T(F) ECF CO2 Alk EC LpH Ca Mg Na CO3 HCO3 SO4 C1 NO3 08-Nov-84 830 7.8 11 3.5 14 34.0 0.0 30 220 3.2 15.0 420 1-UP 27-Feb-87 7.7 63 720 153 570 7.5 50 6.0 20 46.0 13.0 0.0 340 <1 16.0 0.6 6.0 04-Apr-88 1-UP 62 498 620.0 7.8 88.0 13.0 30.0 3.0 < 0.6 290.0 50.0 27.0 21.0 0.39 0.2 320 4.0 < 0.08 23-Jan-85 2-DN 810 7.2 5.0 33.0 450 17.0 760 < 3.0 2-DN 27-Feb-87 580 760 7.6 110 7.1 63 19 30.0 4.4 0.0 350 56 35.0 28.0 450 <3.0 2-DN 04-Apr-88 7.8 27.0 63 463 810 8.0 120 22 43.0 5.0 < 0.6 560 33 16.0 1.4 0.35 0.30 520 < 3.0 3-DN 04-Apr-88 7.5 750 15.0 390 960 7.5 130 6.0 < 0.6 48.0 0.52 0.20 570 <3.0 <0.08 24 50.0 510 32.0



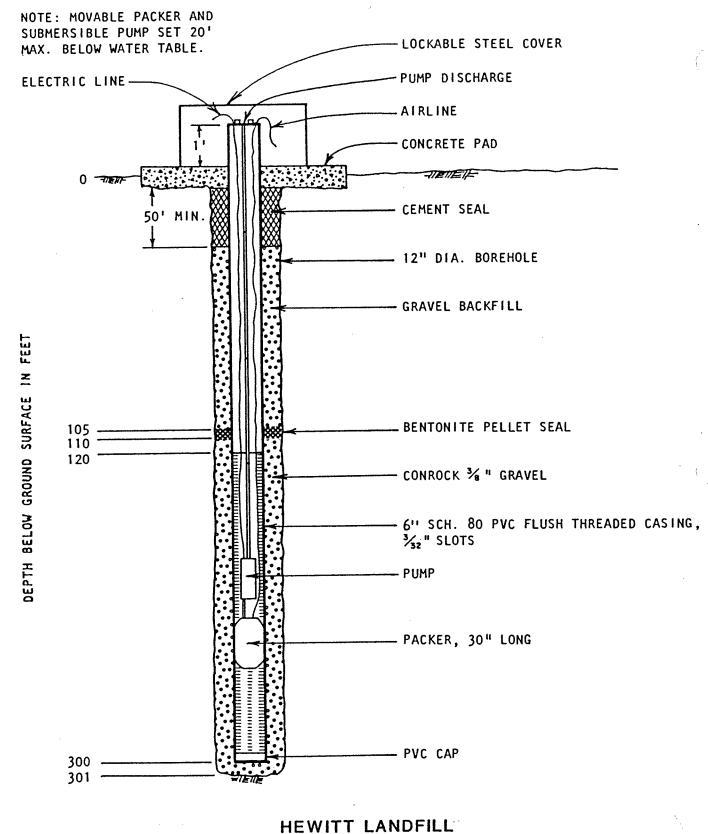


APPENDIX B WATER AND GAS ANALYSIS



ETOMBE 0

Leroy Crandall and Associates



PROPOSED MONITORING WELL CONSTRUCTION DETAILS

356 w 870cm

NOT TO SCALE

gradient is steepest. Note that any partially penetrating well, there is some upconing of water from beneath the end of the screen, so merely drilling a short well does not ensure that all water pumped comes from an area above the base of the well. (See Ground Water and Wells, pages 211 and 249.) Hydraulically, the packer-shortened well will behave the same as a truly short well. We do not anticipate any observable water quality changes whether the packer is in place or not.

Comment: #2 - Additional Downgradient Well

Response: The attached Figure 2 shows the proposed location of a new downgradient well. We believe a site a little south of the corner of the site will cover a wider area of the landfill, and ensure that the well is always downgradient of refuse.

Comment: #3 - Well Construction Details

Response: Figure 3 shows details of construction for the required new well, including the packer-pump assembly.

If you have any questions, please contact either Glenn Brown or Alice Campbell at (818) 848-0214, which is our new telephone number.

Yours very truly,

LAW ENVIRONMENTAL, INC.

bу

Alice Campbell C.E.G. 1157

Glenn & Brown

by

Glenn A. Brown C.E.G. 3

September 25, 1987

Cal Mat Company 3200 San Fernando Road Los Angeles, California 90065

(Our No. 58-7057)

Attention: Mr. George Cosby

Dear Mr. Cosby:

Responses to RWQCB Comments SWAT Proposal Hewitt Landfill (File No. 58-191)

This letter presents our responses to the Regional Water Quality Control Board letter of September 8, 1987.

Comment:

#1 - Adequacy of Exiting Wells

Response:

The technical justification for having long screens is that the historic change in water levels at the site is about 200 feet. The aquifer is unconfined and has no locally extensive horizontal sublayers. So far, in this aquifer, we see little difference in monitoring results whether we pump wells or bail them, whether they have long or short screens, whether the screen goes above or is entirely below the water table. We have no convincing evidence that dilution occurs in pumped samples, or that devolatilization occurs in bailed samples. However, the existing wells can be modified to provide more depth specific water samples and reduce the chance of dilution of contaminants.

Figure 1 shows a proposed modification of the existing wells to meet these requirements. The wells would be fitted with a packer-pump combination intended to block flow from the lower part of the casing. This would produce the effect of a partially penetrating well in an unconfined aquifer. This is intended to meet the RWQCB requirement of sampling the uppermost aquifer.

For partially penetrating wells in unconfined aquifers, most of the water produced by the well comes from the sides of the cone of depression where the

Mr. George Cosby Page 2

Please submit comments and/or data concerning the above items to this office by September 30, 1987, in order that we may complete the review and approval process for your SWAT Proposal.

If you have any question, please contact Myra Hart at (213) 620-2385.

Jenni Pasker

RAYMOND K. DELACOURT Senior Water Resource Control Engineer

RKD:MLH

cc: Glenn A. Brown, LeRoy Crandall and Associates
Bob Ford, State Water Resource Control Board, Division of
Water Quality

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD— LOS ANGELES REGION

107 SOUTH BROADWAY, SUITE 4027 LOS ANGELES, CALIFORNIA 90012-4596 (213) 620-4460



September 8, 1987

Mr. George Cosby CalMat Company 3200 San Fernando Road Los Angeles, California 90065

SWAT PROPOSAL - HEWITT LANDFILL (File No. 58-191)

After reviewing your SWAT Proposal for the subject site, a meeting was held on July 16, 1987, with representatives of LeRoy Crandall and Associates in which we addressed the following deficiencies in the SWAT Proposal:

- 1. Existing well construction appears to be inadequate for SWAT ground water monitoring. The long perforated well screen lengths may not provide samples that meet our objectives of achieving a more depth-specific ground water analysis and ensuring minimal dilution of contaminants within the well casing. Please provide a ground water monitoring system which will meet our objectives.
- 2. Well number 3810C, the southernmost proposed downgradient well, is inadequate for SWAT ground water monitoring because sufficient well construction data is not presented. We require that the wells be positioned as close as possible to the compliance points of the landfill in order to ensure immediate detection of contaminants leaving the waste management unit. Please provide us with an additional downgradient well location. The best location appears to be along Laurel Canyon Boulevard at the northeast corner of the landfill.
- In addition, please provide detailed drawings and data of the proposed well construction and location.

| RECEIVED LeRoy Crandall and Associates | |
|---|--|
| SEP 1 0 1987 File: = 87057 GAB W | |

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD—LOS ANGELES REGION

J7 SOUTH BROADWAY, SUITE 4027 LOS ANGELES, CALIFORNIA 90012−4596 (213) 620-4460

November 2, 1987

Mr. George Cosby Cal Mat Company 3200 San Fernando Road Los Angeles, California 90065

| RECEIVED | | | | | |
|-------------------------|--|--------|--|--|--|
| LAW ENVIRONMENTAL, INC. | | | | | |
| File | | 4 1987 | | | |
| | | | | | |
| ••••• | | J | | | |

APPROVAL OF HEWITT LANDFILL SWAT PROPOSAL (FILE NO. 58-191)

We have reviewed your letter, dated September 25, 2987, in reply to our comments concerning the Hewitt Landfill SWAT Proposal.

Your SWAT Proposal for Hewitt Landfill is approved. Your final SWAT Report is due to this Board no later than July 1, 1988, although some monitoring data may have to be submitted later.

If you have any further questions, please call Myra Hart at (213) 620-2385.

Robert P. Mirelli

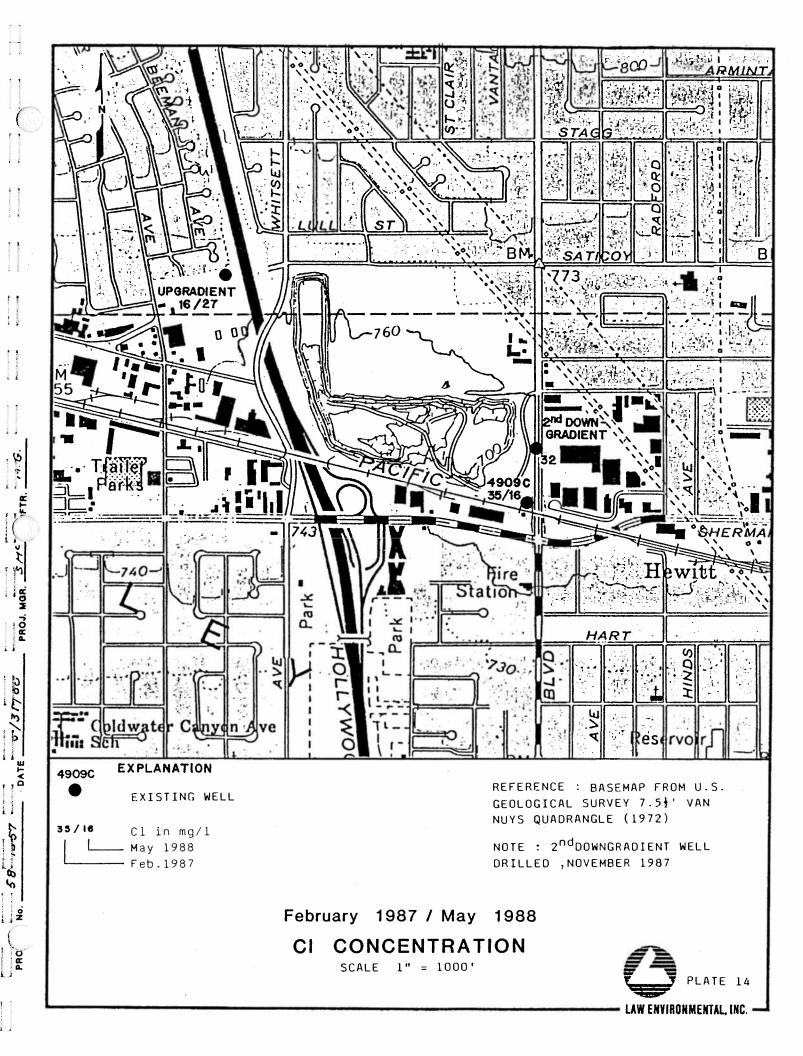
ROBERT P. GHIRELLI, D.Env. Executive Officer

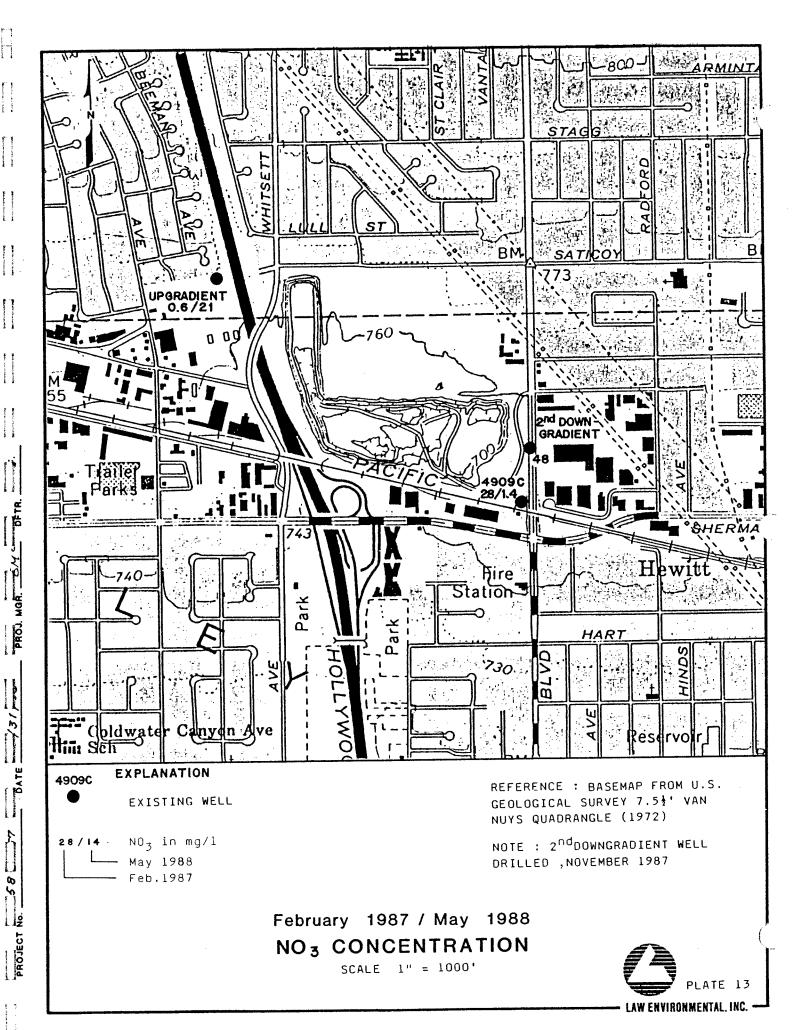
RKD: MLH

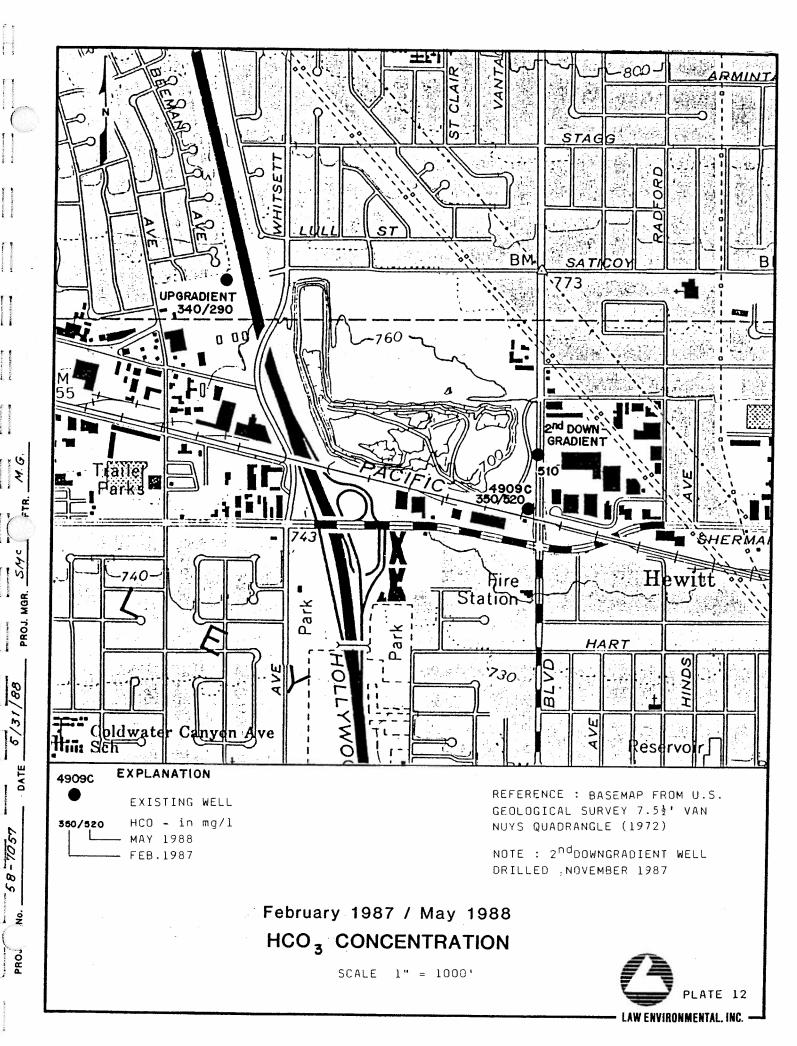
cc: Jim Parsons, State Water Resource Control Board, Division of Water Quality Glenn A. Brown, Law Environmental, Inc.

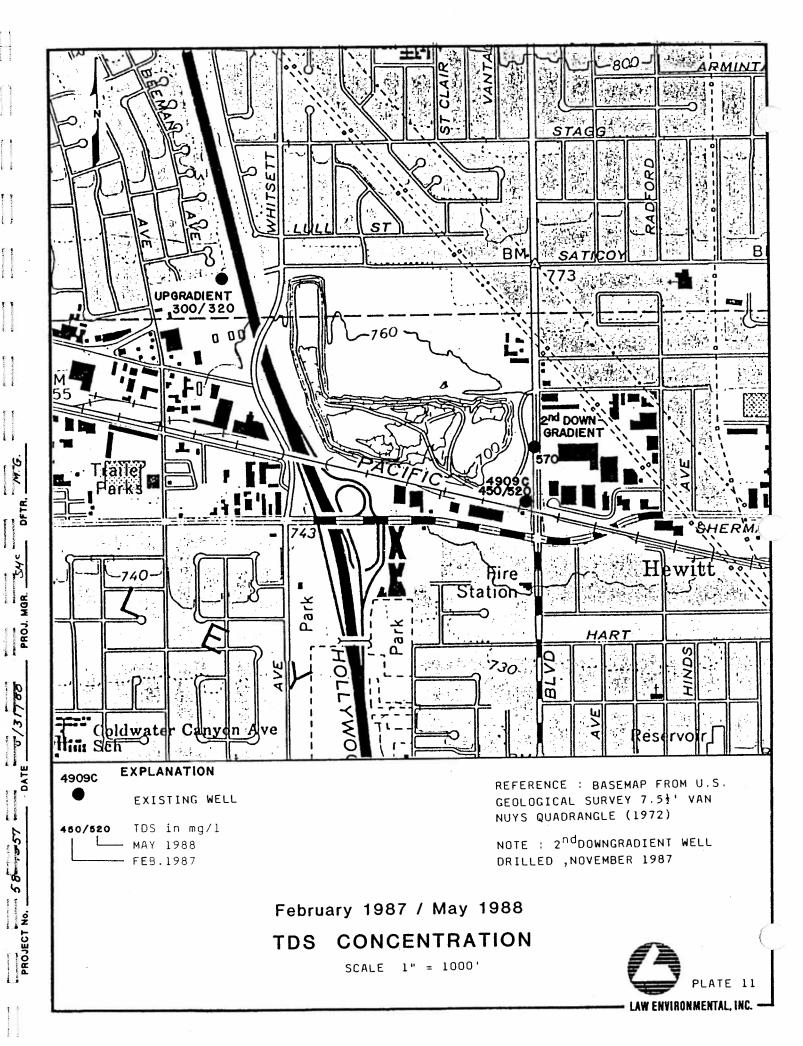


APPENDIX A RELATED CORRESPONDENCE











EXISTING WELL

71/<1

PROJ

H

TCE in ppb May 1988 Feb.1987 REFERENCE : BASEMAP FROM U.S. GEOLOGICAL SURVEY 7.5½ VAN NUYS QUAORANGLE (1972)

NOTE : 2nd00WNGRA0IENT WELL ORILLEO ,NOVEMBER 1987

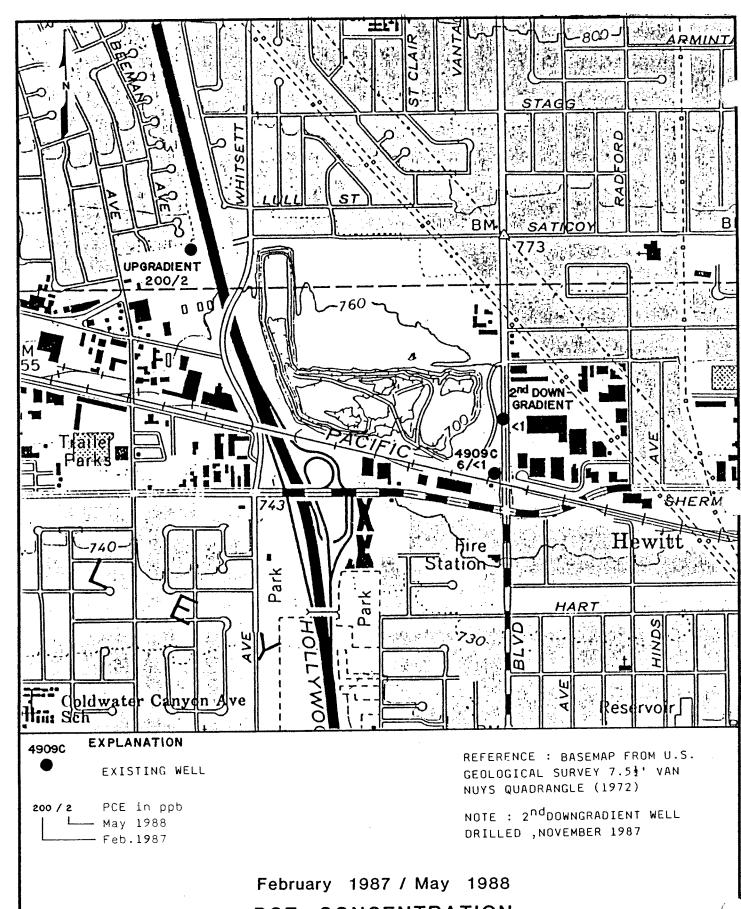
February 1987 / May 1988
TCE CONCENTRATION

SCALE 1" = 1000'



PLATE 10

LAW ENVIRONMENTAL. INC.



X

DFTR.

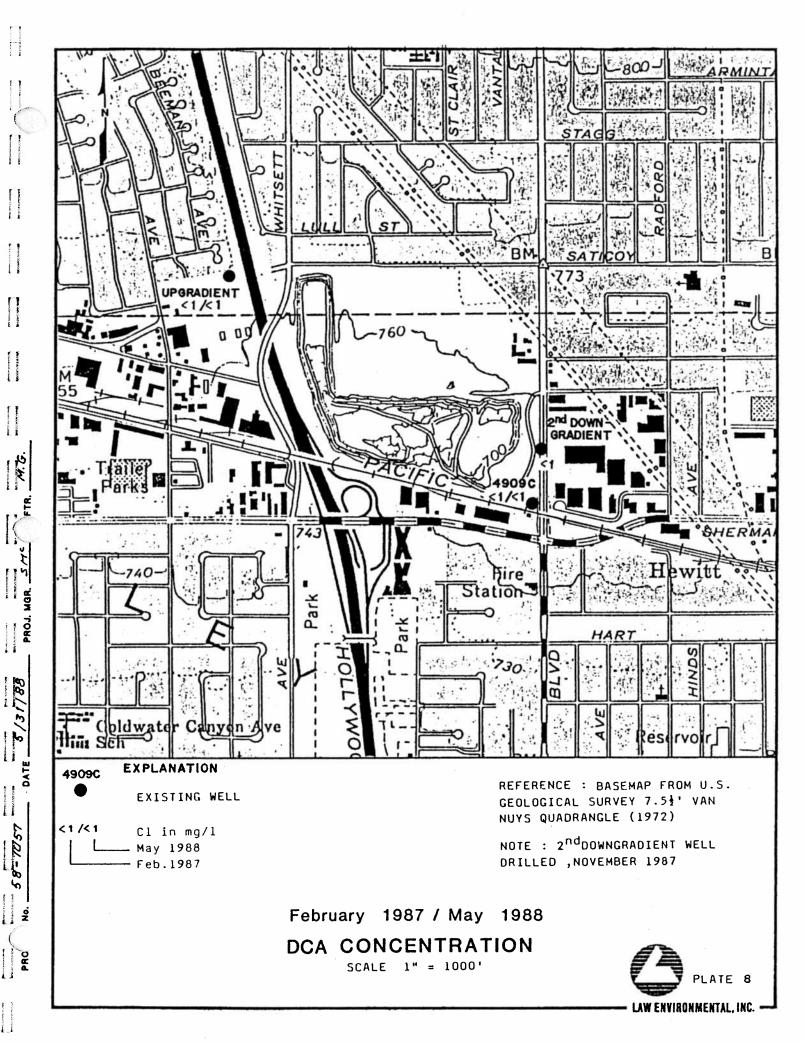
\$/31/88

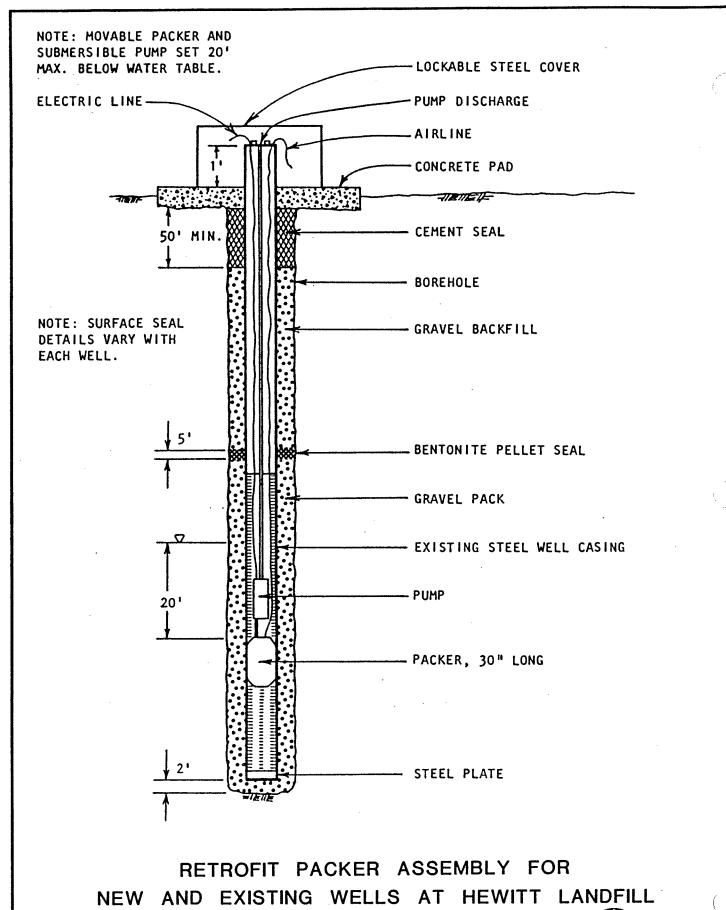
28-1057

PCE CONCENTRATION

SCALE 1" = 1000'





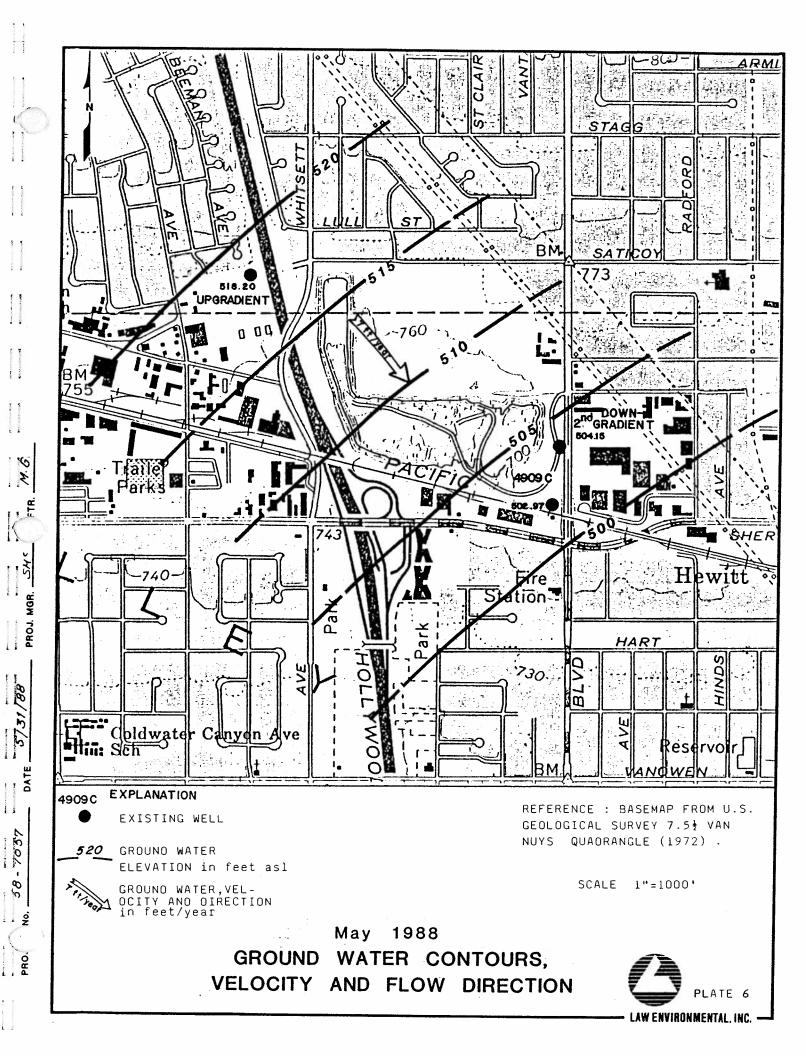


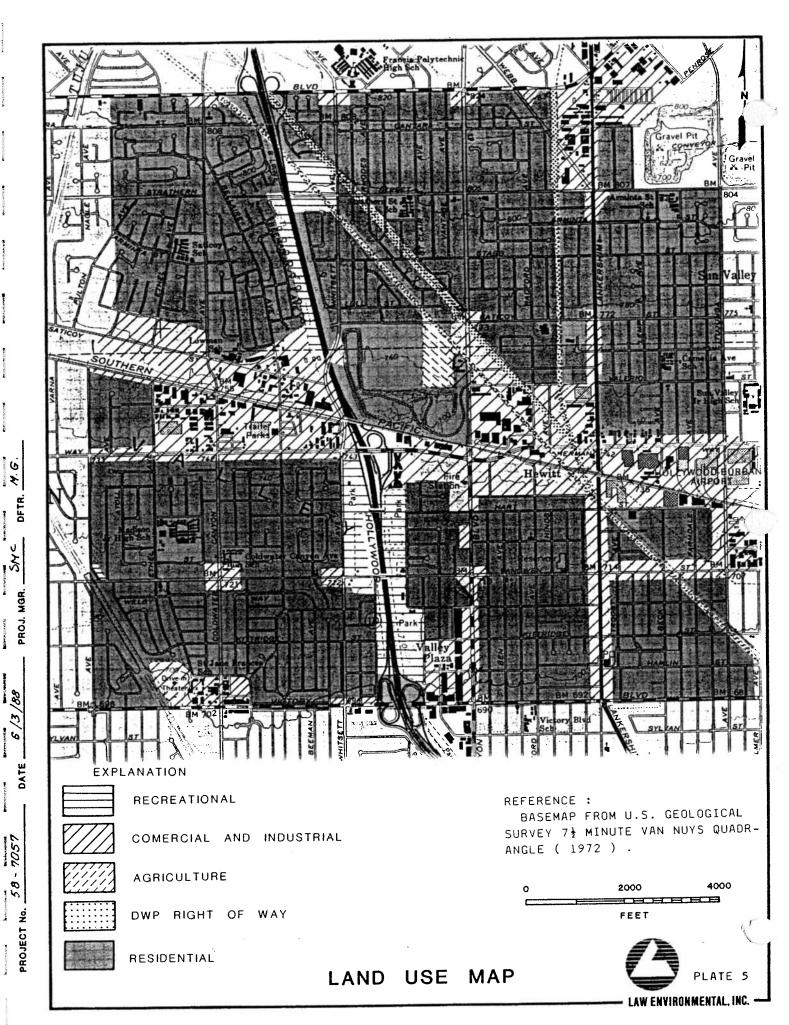
NOT TO SCALE



PLATE 7

- LAW ENVIRONMENTAL, INC. -





APPENDIX C WELL TEST DATA

WELL TEST DATA

Project No.: <u>58-9057</u>

Date of Test: <u>12/17/</u>37

Well No .: SECOND DOWNCARD

Static Water Level: 252.3 feet

| Time | t | t' | t/t' | h | h' | Q | Remarks |
|------|-----|----|------|-------|------|----------|-----------------------------|
| | 0 | | | 252.3 | | | Turn on Purp |
| | 0.5 | | | 252.3 | 0 | 200 | Turn on Rung Clean water |
| | 1 | | | 252.3 | 0 | | |
| | 2 | | | 253.5 | 1.2 | | |
| | 3 | | | 253.5 | 1.2 | | |
| | 4 | | | 2535 | 1.2 | | |
| | 5 | | | 253.5 | 1.2 | <u> </u> | |
| | 6 | | | 253.5 | 1.2 | | |
| | 7 | | | 2535 | 1.2 | | |
| | 8 | | | 253.5 | 1.2 | | |
| | 9 | | · | 253.5 | 1.3 | | <i>'</i> |
| | 10 | | | 253.5 | 1.2 | | |
| | 16 | | | 253.5 | 1.2 | | · |
| · | 22 | | | 253.5 | 1,2_ | | |
| | 30 | | | 253.5 | 1.2 | | |
| - | 35 | | | 253.5 | 1.2 | | • |
| | 40 | | | 253.5 | 1.2 | | |
| ٠ | 45 | | | 253.5 | 1.2 | | • |
| | 50 | | | 253.5 | 1.2 | | |
| | 55 | | | 253.5 | 1.2 | | |
| | 60 | | | 253.5 | 1.2 | | Z= 60°F |
| | 70 | | | 253.5 | 1.2 | | |
| | 80 | | | 253.5 | 1.2 | | |
| | 90 | | | 253.5 | 1.2 | | |
| | 100 | | | 253.5 | 1.2 | | clear water |
| • | 110 | | | 253.5 | 1.2 | | |
| | 120 | | | 253.5 | 1.2 | | |
| | 130 | | | 253.5 | 1.2 | 200 | |
| | 150 | | | 253.5 | 1.2 | | SHUT PUMP OFF |
| | | | | | | | |
| | | | _ | | | | |
| | | | | | | | |
| | | | | | | | |

APPENDIX D PERMEABILITY CALCULATIONS



LAW ENVIRONMENTAL, INC.

3420 NORTH SAN FERNANDO BLVD. SUITE 200 BURBANK, CA 91504-2569 818-848-0214

| JOB NO. <u>58-7057</u> | SHEET | OF |
|------------------------|-------|----|
| JOB NAME | | |
| BY | DATE | |
| CHECKED BY | DATE | |

$$T = (1440)(200/1.2') = 240,000 \, 3al/ft/day$$

$$= 7.48 \, cF = 32,085 \, ft/day$$

$$V = \frac{Ki}{51/20} = \frac{320 \times \frac{20}{4600}}{1.20} = 6.97 \text{ Say 7}$$

COMPLETION REPORT
CONSTRUCTION OF UPGRADIENT MONITORING WELL NO. 1
HEWITT LANDFILL, NORTH HOLLYWOOD DISTRICT
LOS ANGELES COUNTY, CALIFORNIA
FOR
VALLEY RECLAMATION COMPANY

February 12, 1985

Valley Reclamation Company 3200 San Fernando Road Los Angeles, California 90065

(Our Job No. E-81001)

Attention: Mr. George Cosby

Gentlemen:

Correction of Completion Report Dated 01-03-85 Construction of Upgradient Monitoring Well No. 1 Hewitt Landfill, North Hollywood District, Los Angeles County, California, For Valley Reclamation

It has been called to our attention that there was an error on Page 5 of the subject completion report. The error has been corrected, and corrected copies of the page are enclosed for insertion in your report copies.

Please accept our apologies for this error and the resulting inconvenience.

Respectfully submitted,

Leroy Crandall and associates

Alie M Campbell Alice M. Campbell, C.E.G. 1157

Senior Staff Geologist

bу

Glenn A. Brown, C.E.G. 3 Director of Geological Services

GAB: AC/jj6cc Enclosures (5 copies submitted)

cc: Los Angeles Regional Water Quality Control Board

Attn: Mr. Dick Harris

Los Angeles Department of Water and Power

Attn: Mr. Mel Blevins Attn: Mr. Tom Gibson

Los Angeles Bureau of Sanitation

Attn: Ms. Sheila Molyneux

January 3, 1985

Valley Reclamation Company 3200 San Fernando Road Los Angeles, California 90065

(Our Job No. E-81001)

Attention: Mr. George Cosby

Gentlemen:

Submitted herewith is our completion report for the new upgradient The report contains a description of well construction details and alluvial materials beneath the well site.

Respectifully Submitted,

Leroy Crandall and associates

Alice M Canpbell Alice M. Campbell, C.E.G. 1157

Senior Staff Geologist

bу

Glenn A. Brown, C.E.G. 3

Glenn a Brown

Director of Geological Services

GAB:AC/jj4r (5 copies submitted)

cc: Los Angeles Regional Water Quality Control Board

Attn: Mr. Dick Harris

Los Angeles Department of Water and Power

Attn: Mr. Mel Blevins Attn: Mr. Tom Gibson

Los Angeles Bureau of Sanitation

Attn: Ms. Sheila Molyneux

COMPLETION REPORT

CONSTRUCTION OF UPGRADIENT MONITORING WELL NO. 1
HEWITT LANDFILL, NORTH HOLLYWOOD DISTRICT
LOS ANGELES COUNTY, CALIFORNIA

FOR

VALLEY RECLAMATION COMPANY

INTRODUCTION

This report describes the construction of the Hewitt Landfill upgradient Monitoring Well No. 1. The monitoring well is designed and located to allow measurement of ground water quality upgradient of the closed Hewitt Landfill facility, and to provide background water level data. The monitoring well is placed to allow detection of any ground water degradation from upgradient sources. Plate 1, Well Location Map, shows the location of the monitoring well with respect to the Hewitt site. The well is located in the southern parkway of the North Saticoy Street cul-de-sac, approximately 100 feet west of the Hollywood Freeway.

CHRONOLOGY OF WORK

All work pertaining to the location and construction of the well was carried out in accordance with the design details prepared for the well by our office. All work related to construction and development of the wells was conducted by Howard Pump Company of Barstow, California, under the observation of LeRoy Crandall and Associates. The work was carried out between October 29 and November 1, 1984.

WELL CONSTRUCTION AND DEVELOPMENT

The mud rotary drilling method was used to construct the monitoring well. The well was constructed by drilling a 12½-inch borehole to design depth. An Electric Log of the well was made after borehole drilling and prior to casing installation. An 8-5/8 inch outer diameter steel casing was placed in the borehole. The well casing is perforated in the lower 160 feet with milled slots. The annular area of the borehole was backfilled with rounded, clean pea gravel (3/8-inch) to 10 feet above the perforations. A layer of bentonite pellets was installed over the gravel pack. The remaining annular area was sealed with a lean concrete mix from the top of the bentonite to ground surface. Table 1 contains pertinent well construction information. Plate 2, Well Construction Details, illustrates the construction details of the monitoring well. Appendix A contains the E-Log, Water Well Drillers Report and Test Pump Data.

TABLE 1
MONITORING WELL CONSTRUCTION DETAILS

| MW | Ground Surface | Borehole Depth | Casing* Depth | Cas: Perfora | - 0 | Gravel | Packed | Seal | Led |
|-----|-------------------|-------------------|------------------|-----------------|-----|--------|--------|------|-----|
| No. | Elevation | (ft.) | (ft.) | From | То | From | То | From | To |
| 1 | 769 | 290 | 290 | 120 | 280 | 110 | 290 | 0 | 110 |

NOTE: (*) All casing 8-5/8-inch O.D. steel casing. (**) Casing perforated with $3/32 \times 2-1/2$ -inch milled slots, 18 slots per foot. (MW) Monitoring Well.

The well was developed by pumping at rates up to 100 gpm with an electric submersible pump. The well was pumped first for $6\frac{1}{2}$ hours, and then for 30 hours. At the end of the development phase, water samples were collected. At the time of sampling, the water was clear.

HYDROGEOLOGIC CONDITIONS

Borehole drilling encountered alluvial sands and gravels with occasional boulders and fine grained layers, similar to those found throughout this part of the San Fernando Valley. Ground water was encountered at a depth of 213 feet, which corresponds to an elevation of 546 feet above sea level.

WATER QUALITY

General

The water samples collected at the end of the development period were immediately sent to Brown and Caldwell Laboratory in Pasadena, and by the Los Angeles Regional Water Quality Control Board to the State laboratory. The water samples were analyzed for volatile organic compounds and general mineral content. The results of both sets of analyses are in Appendix B. The general mineral quality of the water shows that it meets general drinking water standards for inorganic compounds. Excessive levels of trace organics, however, will require treatment to produce acceptable drinking water.

Inorganic

The following Table 2 shows the mineral quality objectives for the area of the Hewitt Landfill, and the results from the new monitoring well. The information is taken from the Regional Water Quality Control Board (RWQCB) Basin Plan (1975), Appendix C.

TABLE 2
MINERAL QUALITY OBJECTIVES FOR GROUND WATERS

| | Objective (mg/l) | | | | | | | | | | |
|--------------------------------|------------------|---------|----------|----------|--|--|--|--|--|--|--|
| San Fernando Subunit: | TDS | Sulfate | Chloride | Boron | | | | | | | |
| North Hollywood-Burbank Area: | 600 | 250 | 100 | 1.5 | | | | | | | |
| Monitoring Well Water Quality: | | | | | | | | | | | |
| Well No. 1 | 420 | 220 | 22 | wa en en | | | | | | | |

The general mineral quality in the vicinity of he Hewitt Landfill is within the RWQCB objectives. The water is a calcium bicarbonate type with high (300 ppm) total hardness. The pH is slightly alkaline and total dissolved solids are moderate.

Organic

The RWQCB has not yet established organic compound objectives for water in the San Fernando Valley. However, the EPA has made available water quality criteria for some toxic pollutants. At a 1 per million risk level, the EPA exposure estimates are shown in the following table.

TABLE 3
EPA WATER QUALITY CRITERIA - 45 FR 79318
(10⁻⁶ Risk Level)

| TCE | | | . 2.7 ug/1 |
|--------------|-----------|-----------|-----------------|
| PCE | | | . 0.8 ug/1 |
| Carbon Tetra | achloride | | . 0.40 ug/1 |
| 1, 2, DCA | | • • • | . 0.94 ug/1 |

TABLE 4
SUMMARY OF TCE AND PCE DATA
October, 1984
(ug/1)

| Well: | Brown and Caldwell #1 | Department of Health Services |
|-----------|-----------------------|-------------------------------|
| PCE | 3 | |
| TCE | 0 | |
| All Other | 31 | 25 |

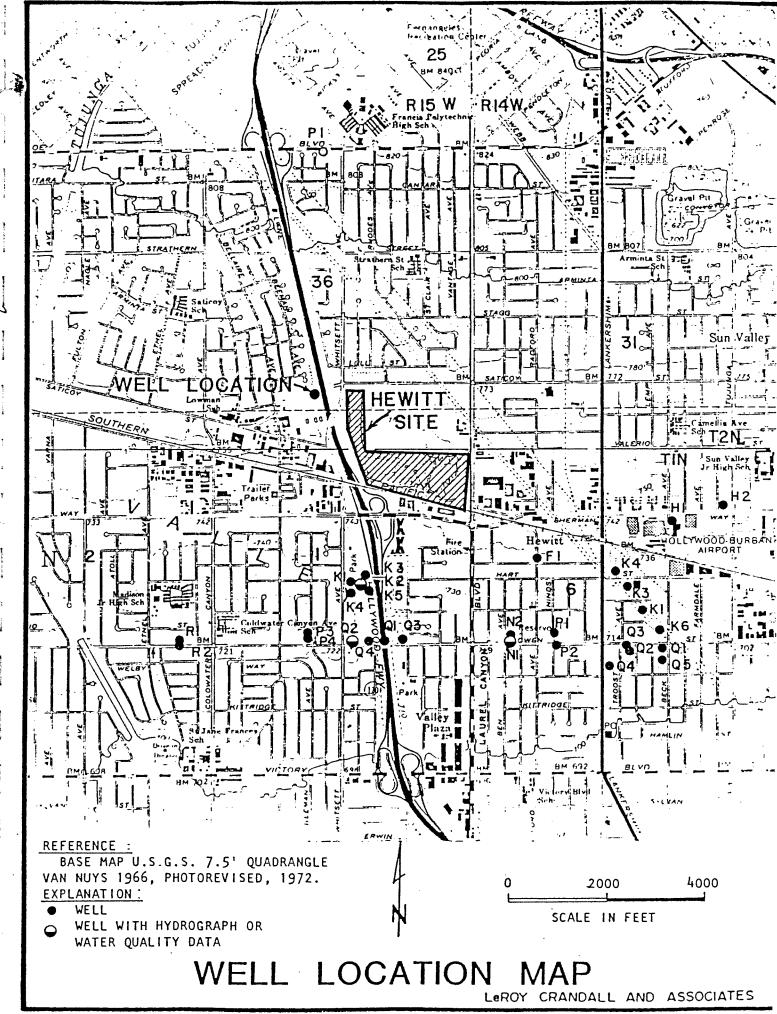
Using these figures as guidance, the ground water upgradient of the closed Hewitt Landfill could be considered marginally suitable for drinking without treatment.

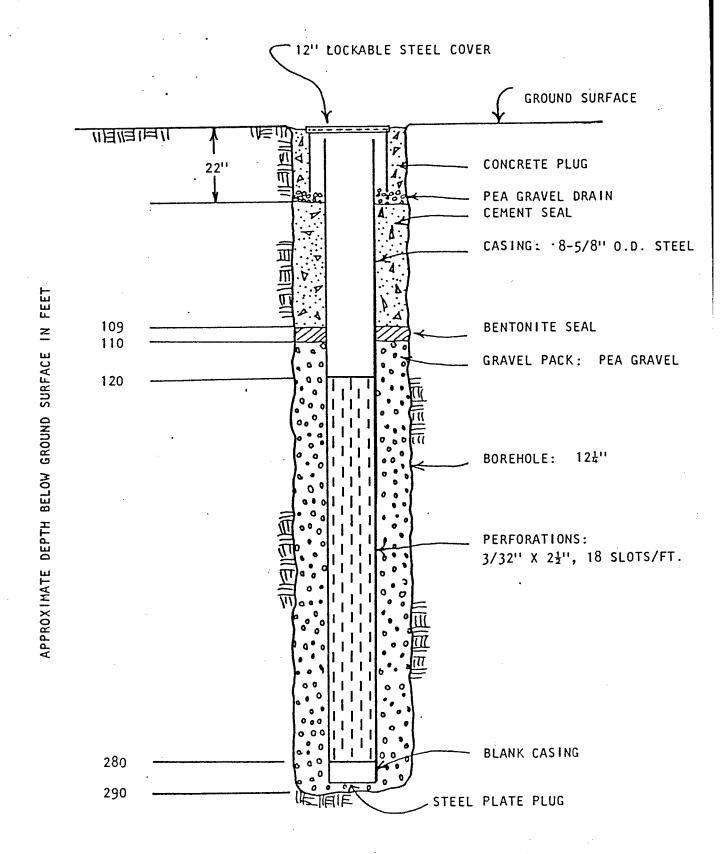
In addition to the constituents already named, other compounds are present which indicate ground water contamination. These compounds include petroleum hydrocarbons, xylenes, benzene, and toluene. These compounds are found in gasoline and diesel fuel. The levels of these compounds vary from less than 1 ug/1 to over 20 ug/1 (total) in the new monitoring well.

CONCLUSIONS

- 1) On the basis of our observation of well construction, the well was completed as designed. No unusual or unexpected geologic conditions were encountered during drilling. The well should, therefore, be suitable its intended purpose as a monitoring well.
- 2) Evidence of contamination of ground water was obtained from the well. The type of contamination indicates that the source is probably aged gasoline and industrial solvents, and that the sources are located upgradient of the Hewitt Landfill.

| The following | ng an | :e | at | :ta | ct | ıed | | ind | 1 (| c on | ıp. | lete this report. |
|---------------|-------|----|----|-----|----|-----|---|-----|-----|------|-----|--|
| Plate 1 | | • | | | | • | • | • | • | • | • | Well Location Map |
| Plate 2 | | | • | | | | • | | | • | • | Well Construction Details |
| Appendix A | | • | | • | | .• | • | | • | • | • | Well Drilling Data |
| | | | | • | | • | • | • | • | • | | E-Log |
| | | | • | • | • | • | • | | | | • | Water Well Drillers Report |
| | | | | | • | • | | • | • | • | • | Test Pump Data |
| Appendix B | | | | • | | • | • | • | • | • | • | Water Quality Data |
| | | | • | | | | | • | • | • | • | Water Quality Analyses - Brown & Caldwell Laboratories |
| | • • | • | • | • | • | • | • | • | • | ٠. | • | Water Quality Analyses - California Department of Health Services Laboratory |





CONSTRUCTION DETAILS
HEWITT MONITORING WELL No.1

LeROY CRANDALL AND ASSOCIATES

P.O. Box 11744, Santa Ana, California 92711-1744 (714) 558-8333 Telex Number: IRIN 188747
P.O. Box 153, Santa Clara, California 95052-0153 (408) 727-0330
P.O. Box 1648, Bellevue, Washington 98009-1648 (206) 746-6665

SANTA CLARA OFFICE April 25, 1988 Lab No. 11215

LAW ENVIRONMENTAL, INC. 3420 N San Fernando Blvd Suite 200 Burbank, CA 91504

| RECEIVED |
|-------------------------|
| LAW ENVIRONMENTAL, INC. |
| APR 27 1988 |
| File |
| |
| ······ |

RE: SAMPLES REC'D: 4-15-88

| Sample No. | Moisture Content | Description |
|---------------|------------------|--|
| · 21 | 5.2 | 58-7056 GLW-88-1 |
| 22 | 40.4 | 10' Gregg Swat 58-7056 GLW-88-1 |
| 23 | 18.3 | 20' Gregg Swat 58-7056 GLW-88-1 |
| 24 | 23.4 | 30' Gregg Swat 58-7056 GLW-88-1 |
| 25 | 18.0 | 40' Gregg Swat 58-7056 GLW-88-1 |
| 26 | 17.9 | 50' Gregg Swat 58-7056 GLW-88-1 |
| 27 | 12.4 | 60' Gregg Swat 58-7056 GLW-88-1 |
| 28 | 11.4 | 68' Gregg Swat 58-7056 GLW-88-1 70' Gregg Swat |
| 31 | 17.5 | Hewitt HLW-88-1 58-7057 10' |
| 32 | 15.0 | Hewitt HLW-88-2 58-7057 20' |
| 33 | 1.1 | Hewitt HLW-88-3 58-7057 30' |
| 34 | 0.5 | Hewitt HLW-88-5 58-7057 Sample 5 |
| 35 | 1.1 | Hewitt HLW-88-6 58-7057 Sample 6 |
| 36 | 2.1 | Hewitt HLW-88-7 58-7057 Sample 7 |

Data are supplied without recommendation or comment.

LORI JEPTILEFORD

Analytical Laboratory Director

LITHOLOGIC LOG

| Project | No.: | 58-7057 | Well No.: <u>Hewitt Leachate Well</u> Page 2 |
|-----------------|--------------------|----------------|---|
| Depth (feet) | Sample Interval | Graphic Log | Description of Materials |
| | | | Sand: small amounts of gravel; buff to tan; slightly moist; som demolition debris. Minor amount of silt. |
| 70 | | | Micaceous; rock chips representative of rock in adjacent San Gabrie Mountains and what is expected of native material in area. |
| | | | Total depth: 761 |
| 80 - | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| Remarks | 3: | | |

LITHOLOGIC LOG

| | | | | | | | | |
|-----------------|--------------------|---|--------|-----------------|------------------|-----------------|---------------|-------------|
| Owner: | c | alMat | | | | Project No.: | 58-705 | 7 |
| Location | n: | Hewitt Lar | dfill | | | Well No.: | | |
| | | | | | | Page 1 of | 2 | |
| Logged | by: | Steve F | kArdle | | | | | i i |
| Drillin | g Method: | Air R | otary | | | d: | | |
| Borehol | e Depth: | | 76 | feet | Static Water I | Level: | dry | |
| Borehol | e Diameter | : | 6 | inches | | | | |
| | | 6** | | | | | | |
| | | bott | | | | | Yield: | |
| Ground 1 | Elevation: | | | feet/asl | Electrical Co | nductance: | | _ micromhos |
| | | | | | Specific Capa | city: | | gpm/ft |
| Depth (feet) | Sample Interval | | | Desc | ription of Hater | ials | | |
| | | | FILL | Silt, sand, and | d gravel: no tra | sh; tan to gray | ; slightly m | oist. |
| | | * | | • • | _ | • | | |
| l | | | | China of upod | common, paper | and plactic p | nt seen. mat | ecial in a |
| | | | 1 | matrix of silt | y sand: black; | small amounts | of gravel; | slightly to |
| [| | | | | st. Little or n | | | • |
| [| | * * | | | | | | |
| 10 | | | | | | | | |
| ł | | | | | | | | |
| | | * * * | | | | | | |
| i | | | | Increase in g | ravel amount; | pieces of pap | er, plastic | and metal |
| = | | | | noted. | | | | |
| | | | | | | | | , |
| 20 - | | • | | | | | | |
| | | | | | | | | |
| İ | | | 1 | | | | | |
| | | | 1 | At 25', paper | (including carbo | on paper), plas | tic. Drill | bit clogged |
| ĺ | | · | | up, as drillin | ng slow and no m | naterial showir | ng up in dri | ller's box. |
| l | | * - * - * - * - * - * - * - * - * - * - | | material that | clogged up bit i | s pulverized sk | od/caroboal d | • |
| 30 | | * *- *- \ | | Sand and grave | l: gravel amount | 80% - demoliti | ion debris, n | o trash. |
| - 1 | | | 1 | | | | | |
| l | | | | | | | | |
| | | • • . • | 1 | | | | | |
| l | | | | | | | | |
| . | | 7 | | | | | | |
| 40 | | | | - | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| 1 | | . v v v | | | | | | |
| | | | | | | | | |
| 50 | | | | Increase in sar | nd amount - demo | lition debris, | no trash. | |
| | | - - | | | | | | |
| | | | | | | - | | |
| | • | | 1 | | | | | |
| | | | | | | | | |
| 1 | | | | | | | | |
| Remarks | <u> </u> | <u> </u> | 1 | | | | | |



APPENDIX E

LEACHATE WELL LOGS

AND REFUSE MOISTURE CONTENT

-LOCKABLE VAULT LYSIMETER CAP CONCRETE CAP SEAL BACKFILL 10" BOREHOLE DIA. 2" TIMCO THREADED PVC CASING BENTONITE SEAL No.3 MONTEREY SAND 2" TIMCO TEFLON LYSIMETER BODY AND TRANSFER VESSEL IN SILICA FLOUR PACK

LYSIMETER HLS 88-2 CONSTRUCTION DETAILS HEWITT UPGRADIENT

NOT TO SCALE



LAW ENVIRONMENTAL, INC. -

LITHOLOGIC LOG

| _ | y: V | ntum Explo Ince Richa | rds | | | Well | No.: <u>H</u> | LS-88-2 (| (Lysimeter) |
|-----------------------|--------------------|--------------------------|---------------------|---------------------|--|----------|---------------|-----------|---|
| Location: Drilling | , <u>_</u> | | | | | | | | |
| Drilling | . Sa | tiony St | | | | | | | |
| _ | | | (cul de sac) west o | of Hollywoo | | | | _ | |
| | Method: | | Stem Auger | | Date Comple | | 04-26-8 | 8 | |
| Borehole | Depth: | 50' | | | Borehole Dia | ameter: | 10" | | |
| Casing: | | | | | | | | | |
| Perforati | ions: | | | | | | | | |
| | | | | | Drawdown: | | | Yield: . | |
| Specific | Capacity | : | gpm/ft | | Electrical | | | | |
| Ground El | levation: | | | | Top of Casi | ng Eleva | tion: | | |
| Depth (feet) | Sample Interval | | | Descri | ption of Mat | erials | | | |
| 10 - 20 - 30 - | | | SAND AND GRAVEL | gravel. of metan | rey fine to Gravels and morphic and ell graded. | re subar | ngular to | rounded | coarse and composed uvium slightl |
| 50 - | | | | Total D | epth: 50' | | | | |

LYSIMETER HLS 88-1 CONSTRUCTION DETAILS HEWITT DOWNGRADIENT

NOT TO SCALE



LITHOLOGIC LOG

| Owner: | | | Project No.: <u>58-7057</u> |
|-----------------|--------------------------------|-----------------------|--|
| Orilled ! | by: Datum Exp | oloration | Well No.: HLS-88-1 (Lysimeter) |
| Logged b | v: Vince Ric | hards | |
| Location | Calmat Storac | ge Yard 🛢 Laurel Cany | on and Sherman Way |
| Drilling | Method: Hollow | Stem Auger | Date Completed: 04-12-88 |
| | | | |
| Casing: | | | |
| Perforat | | | |
| Static W | ater Level: | | Drawdown:Yield: |
| Specific | Capacity: | gpm√ft | Electrical Conductance: micromhos |
| | levation: | | Top of Casing Elevation: |
| Depth (feet) | Sample Graphic Interval Log | | Description of Materials |
| | 8.080V | SAND AND GRAVEL | Light grey fine to coarse sand and fine to coarse |
| | ့ ဝ ဗုိဝ | 3 | cobble gravel. Gravels are subangular to rounded |
| | 62.20 | • | and composed of metamorphic and igneous material. |
| | 0000 | | Alluvium slightly damp, well graded. |
| | 0.0.0 | .d | |
| 10 - | 5.850 | 4 | |
| - | 0.00 | | |
| | þ | | |
| | 6,680 |) | · |
| | 0000 | | |
| | 8.00 | | • |
| 20 - | 8.0.00 | đ | |
| | 2.00 | | |
| | 0,000 | eg . | |
| | 0000 | व | |
| | 00.00 | ·* | |
| | 1 5000 | , | |
| 3 0 - | .08.8 | i i | Gravel size decreasing, mostly fine to medium pebble |
| | 200 | 3 | gravel. Abundant sand. |
| | 0,0 | <u>.</u> | |
| | 5000 | | |
| | 66.89 | | |
| | 0.000 | | • |
| 40 - | 7 5.8.8 | | |
| * | 0.000 | | |
| | 00000 | 0 4 | |
| | 8.00 | 2 | |
| | 0.00 | Ĭ. | |
| 50 | | | Gravel increasing in abundance. |
| JU | | | Total depth: 52' |
| | | | Total deptil. 72 |
| | | | |
| | . | | |
| | | | |
| | | | |
| Remarks | : | | |



APPENDIX D LYSIMETER WELL LOGS AND CONSTRUCTION DETAILS

April 19, 1984 J/N 29220 - Page 2

Parts Per Million (v/v)

| Compound | <u>Hewitt</u> |
|---------------------------------------|---------------|
| Ethane | 11.6 |
| Ethylene | 6.1 |
| Propane | 4.4 |
| Propylene | |
| iso-Butane | 4.7 |
| n-Butane | 1.6 |
| Butenes | TR<1 |
| iso-Pentane | 2.1 |
| n-Pentane | TR<1 |
| · | TR<1 |
| Pentenes | ND<1 |
| Hexanes | TR<1 |
| Heptanes | 9.2 |
| Benzene | 2.7 |
| Toluene | 9.5 |
| Vinyl Chloride | 2.0 |
| Trichloroethylene | 1.7 |
| Perchloroethylene | 2.9 |
| = = = +···= = = +··· 2 = = ··· | 4,7 |

ND - This compound was not detected; the limit of detection for this analysis is less than the amount stated in the table above.

TR - Trace, this compound was present, but was below the level at which concentration could be determined.

GAS ANALYSIS

| | | · | | | | |
|---------------------|--|--|-----------------------------|---------------|---|-------------|
| | | - | | | | |
| | | | | | | <u> </u> |
| | • | | • | • | | |
| | | | | | | |
| ₁ | State of California - Department of Sanitation and Radiation Laboraton | Health Services | Oa Oa | te Received | Lab. No. | · |
| - | Southern California Laboratory Ser SAMPLE FOR CHEMICAL AP Purveyor and Address (includ | HALYSIS | Sy | // | Senat Number | |
| | PRIEN KEERS | m MONOHEW | ITT PIT | itected by | C 07973 Date and Hour Collected | |
| • | Sampling Point NEW WEI | レガーン | BST 1 | CAMSTERT | 149-84 12.15 | - |
| - . | Type of Raw Surface Semple Drinking Wate | Water Waste water: | | wss Dist. / | County HD National Park Serv. | |
| | ☐ Raw ☐ Treated | Trade Waste | Or WELL | BAWOCB / 4 | Other | - |
| | GENERAL MIN | ERAL ANALYSIS | Results are expressed as in | (on/ | d (specify): | |
| | | (mg/las Ca CO ₃) Hard- ness . | AI | - COD- | 1mg/2 | <u> </u> |
| | □Mg □□. | □нсо₃ □ □. | | | | ļ |
| | Fe Total | □co ₃ | | = CN^- | LO. 00/ mg/2 | Ĺ |
| | OMn | OH | | | | |
| _ | Na | | | = Plant | - 0,002 ,-, 14 | |
| | рн . | □so₄ | Ni | | d | |
| (2·80) | Total Ois- solved Solids | | O zn | Date Reported | Analyst | ·] |
| .B-800 | | □NO ₃ □ □ | | | <u> </u> | . <u>.</u> |
| Form LAB-800 (2-80) | Turb. TU Soec. Cond µ mhos/cm | □NH ₃ ·N | Grease | Set Solids | ☐ MBAS |] |
| | — pimearem | | | | | |
| | | | | | | · |
| <u> </u> | | | | | | |
| | • | | | | | |
| | | | | | | |

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LOG NO: P84-11-118

Received: 08 NOV 84 Reported: 06 DEC 84

Leroy Crandall & ASSOCIATES 711 N. ALVARADO ST. LOS ANGELES, CA 90026

ATTN: Alice Campbell

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER SAME | PLES | DATE SAMPLEI |
|---|---|---|--------------|
| 11-118-1 | HEWITT WELL #1 | | 08 NOV 84 |
| PARAMETER | | 11-118-1 | |
| Extraction crolein, Acrylonitr Ethylbenze Tetrachlor Toluene, u Other Pur | ug/L ile, ug/L ne, ug/L oethylene, ug/L | 11/19/84 <10 <10 3 3 8 <1 | |
| : F | omers, ug/L | 20 | |
| total ion | fication based upon comparison of count of the compound with that of the nternal standard | ne | |
| Becombined as a second | | | |

Edward Wilson, Laboratory Director

ANALYTICAL LABORATORIES

LOG NO: P84-11-118

Received: 08 NOV 84 Reported: 06 DEC 84

Corrected Report

12/17/84

Lergy CRANDALL & ASSOCIATES 711 N. ALVARADO ST. . LOS ANGELES, CA 90026

ATTN: Alice Campbell

REPORT OF ANALYTICAL RESULTS

| LOG NO SAMPLE DESCRIPTION, | GROUND HATER SAMPLES | DATE SAMPLED |
|---|--|--------------|
| 11-118-1 HEWITT WELL #1 | | 08 NOV 84 |
| PARAMETER | 11-118-1 | |
| Carbonate Alk (as CO3), mg/L Bicarbonate Alk (as HCO3), mg/L droxide Alk (as CaCO3), mg/L Calcium (EDTA Titration), mg/L Magnesium, mg/L Chloride, mg/L Copper, mg/L Surfactants, mg/L Iron, mg/L Manganese, mg/L pH, Units Potassium, mg/L Sodium, mg/L Sodium, mg/L Sulfate, mg/L Specific Conductance, umhos/cm Filterable Residue, mg/L Nitrate (as NO3), mg/L | 0.0 300 0.0 11 14 3.2 <0.06 <0.1 <0.059 <0.032 7.8 3.5 34 220 830 420 <0.013 15 | |

HOWARD PUMP, INC. TEST PUMP DATA

WELL DESIGNATION/LOCATION Hewith Landfil TATIC WATER LEVEL 213' NAME Valley Reclamation AIRLINE 271' ADDRESS 3200 San Fernando Rd. WELL DIAMETER PUMP SETTING 271' WELL DEPTH 290' Los Angeles, CA 90069 SHEET OF TEST LENGTH OF TEST IN HOURS DATE/ REMARKS SPECIFIC DISCHARGE DRAWDOWN PUMPING SAND RATE LEVEL CONTENT TIME CAPACITY 11-8-84 2 215 None 6:30 : 100 2 . . 100 215 None 7:30 100 2 215 None 8:30 215 100 None 9:30 2 215 None 100 11:00 End Test. 215 None 100 12:00 ٩

TEST PUMP DAIN

NAME Valley Reclamation

WELL DESIGNATION/LOCATION Hewitt Landfill STATIC WATER LEVEL 213'

ADDRESS 3200 San Fernando Rd.

WELL DIAMETER

8"

AIRLINE 271'

Los Angeles, CA 90069 \

WELL DEPTH

2901

PUMP SETTING 271'

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| ENGTH OF | ILUI II | | | | | TEST SHEET OF |
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| ATE/ TIME 11-6-84 | SPECIFIC CAPACITY | DISCHARGE RATE | DRAWDOWN | PUMPING LEVEL | SAND CONTENT | REMARKS |
| 11:00 | | 100 | | 213 | 1 | |
| 11:05 | | | 2 | 215 | Some | |
| 12:25 | | 100 | 2 | 215 | Little | |
| 1:28 | , | 100 | 2 | 215 | None | |
| 2:30 | | 100 | 2 | 215 | llone | Pump running fine, 32 amps. |
| 3:00 | | 100 | 2 | 215 | None | |
| 4:30 | | 100 | 2 | 215 | None | |
| 5:30 | | 100 | 2 | 215 | None | Shut down. |
| 11-7-84 | | | | | | |
| 6:00 | | 100 | 2 | 215 | None | Started pump, slightly cloudy discharge, cleared up quic |
| 7:00 | | 100 | 2 | 215 | None | |
| 9:00 | | 100 | 2 . | 215 | None | |
| 10:30 | | 100 | 2 | 215 | None | Poured cement around vault. |
| 11:30 | | 100 | 2 | 215 | None | |
| 12:30 | | 100 | 2 | 215 | None | |
| 2:00 | | 100 | 2 | 215 | None | |
| 3:30 | | 100 | 2 | 215 | None | . : |
| 4:30 | | 100 | 2 | 215 | None | |
| 5:30 | | 100 | 2 | 215 | None | |
| 6:00 | • | 100 | 2 | 215 | None | Shut Down. |

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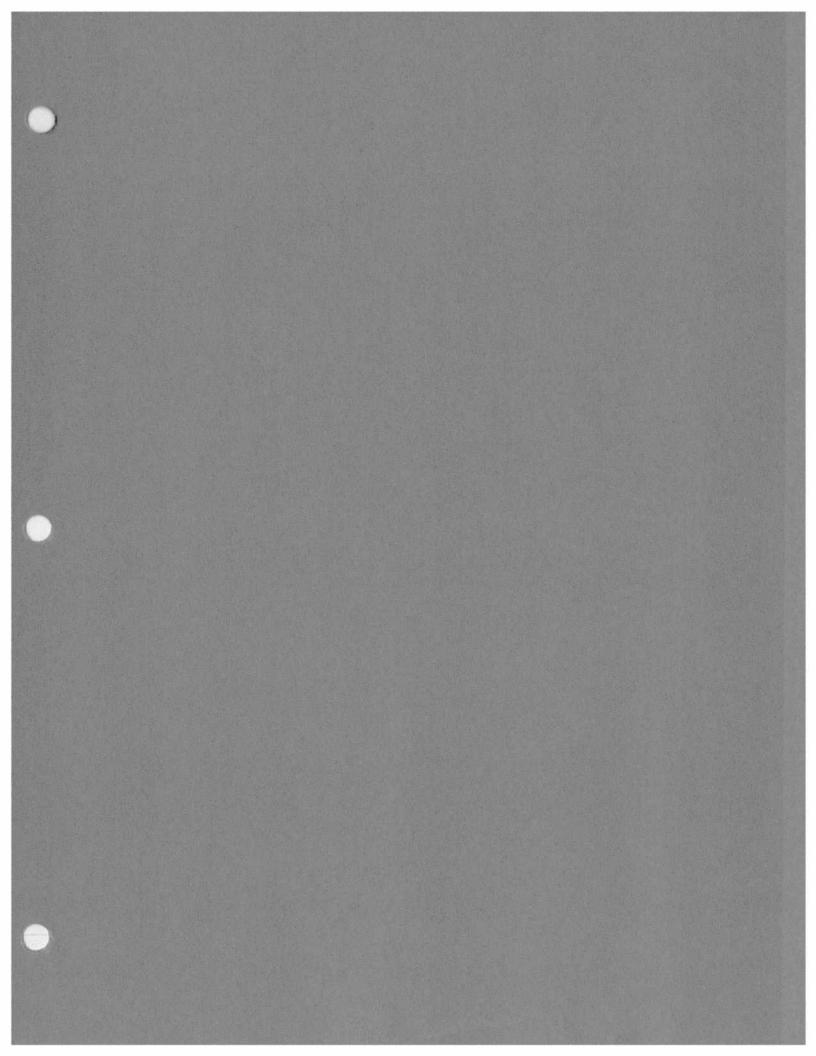
of Intent No. Customer cal Permit No. or Date Customer THE RESOURCES AGENCY

DEPARTMENT OF WATER RESOURCES

WATER WELL DRILLERS REPORT

Do not fill in 241871 No.

State Well No.





SOLID WASTE ASSESSMENT TEST (SWAT) SUPPLEMENTARY MONITORING REPORT

HEWITT LANDFILL (CLOSED)

NORTH HOLLYWOOD DISTRICT

LOS ANGELES, CALIFORNIA

Prepared For

CalMat Properties

July 1, 1989

Project No. 58-7057



June 29, 1989

3420 N. SAN FERNANDO BLVD. SUITE 200 BURBANK, CALIFORNIA 91504 818-848-0214 (FAX 818-848-1674)

Calmat Properties 3200 San Fernando Road Los Angeles, California 90065

Project No. 58-7057

Attention:

Mr. George Cosby

Vice President, Calmat Properties

Gentlemen:

SOLID WASTE ASSESSMENT TEST (SWAT)
SUPPLEMENTARY MONITORING REPORT
Hewitt Landfill (closed)
Laurel Canyon Boulevard north of Sherman Way
North Hollywood District, Los Angeles, CA

This report presents the results of surface, unsaturated zone and supplemental ground water sampling analyses and water level measurements from the Hewitt Landfill monitoring wells. This report contains four quarters of data and is the final SWAT Monitoring Report. It completes the 1988 data requirements by the Regional Water Quality Control Board (RWQCB), Los Angeles Region, under the Calderon Act.

The purpose of this supplemental report is to present data in compliance with the SWAT monitoring plan, which was approved by the RWQCB on November 2, 1987. Presented are the results of the

monitoring program, our interpretation of the data, and our conclusions on whether these sites are leaking hazardous compounds into the ground water. Our previous SWAT report, dated June 6, 1988, provides much of the background information necessary for this supplemental report and is an integral part of this study.

SWAT SUMMARY

The supplemental SWAT ground water monitoring plan for 1988 is essentially the same as the existing ground water monitoring program. SWAT monitoring was performed quarterly throughout 1988. The SWAT report was submitted to the RWQCB on June 6, 1988; analyses received after this date are presented herein as the SWAT supplementary monitoring report.

Site information is included in the SWAT proposal which was prepared in accordance with the Solid Waste Assessment Test guidance document by the State Water Resources Control Board, dated October 1986. This report has been prepared in accordance with the SWAT proposal and related correspondence.

Our previous SWAT report, dated June 6, 1988, contains site characteristics, hydrogeology data and our conclusions concerning

existing conditions at Hewitt Landfill. The previous work provided much of the information necessary for this report. The landfill was closed in 1979.

Our professional services were performed using the degree of care and skill ordinarily exercised, under similar circumstances, by reputable geologists practicing in this or similar locations. No other warranty, expressed or implied, is made regarding the professional advice included in this report. This report was prepared for Calmat Properties by and under the supervision of certified engineering geologists with a minimum of ten years of experience in ground water hydrology.

GROUND WATER MONITORING PLAN

The monitoring well network for the landfill currently consists of three wells, as shown on Figure 1, Ground Water Contours. The direction of ground water movement, historically from northwest to southeast, was taken into account when selecting these monitoring well locations. The pattern of ground water flow has changed since the SWAT program began. Upgradient Well 4899 shows background water quality data. Downgradient Wells 4909C and 4909F provide data on the quality of water passing beneath the site.

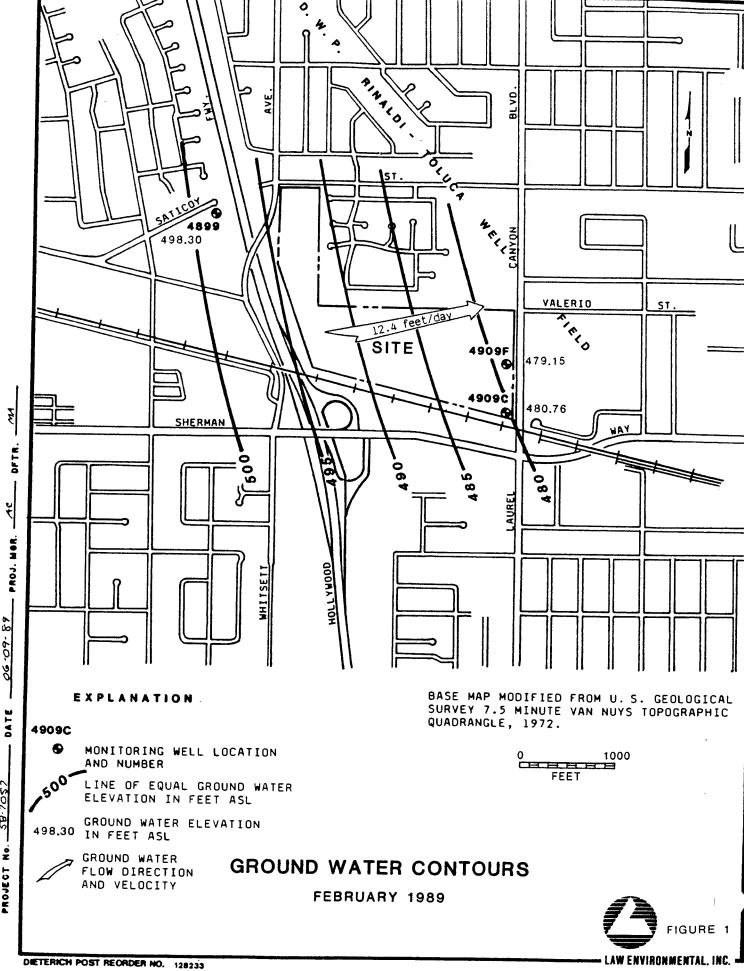


GROUND WATER LEVELS AND MOVEMENT

1988 ground water levels, measured quarterly, showed a decline of approximately 20 feet in all monitoring wells. Figure 2 is a hydrograph of downgradient Monitoring Well 4909C. In early Fall 1988, the ground water flow direction shifted 90 degrees to an east northeast flow direction. This water level decline and directional shift may be caused by the Department of Water and Power (DWP) decreasing pumping from its North Hollywood Well Field, southeast of Hewitt Landfill, and increasing pumping at the nearby DWP Rinaldi-Toluca Well Field, a linear well field located to the northeast (see Figure 1). As of March 1989, DWP is pumping 500 acre-feet per month of ground water from each of 8 water wells in the Rinaldi-Toluca Well Field, and has plans to pump 7 additional water wells.

WATER QUALITY

Water quality has been monitored at the Hewitt Landfill for five years. The monitoring program consists of selected field and laboratory analyses, including alkalinity, conductivity (EC), pH, general minerals, and selected organic and trace organic compounds. Temperature, pH, CO₂ (methane gas), EC and alkalinity are measured in the field. SWAT analyses for 1988 included EPA Methods 624 and 625 (volatile and semi-volatile organics), general minerals



-09-89

SB-7057

PROJECT No.

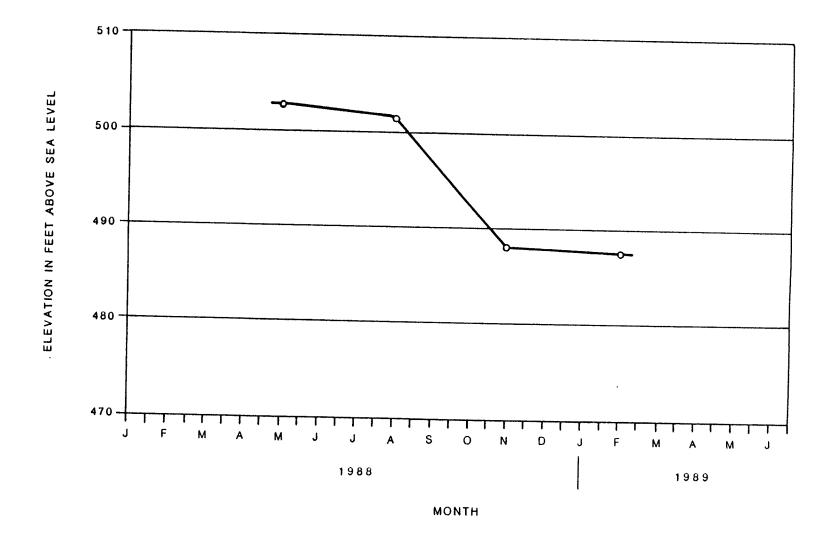


including boron and fluoride, ICP metals, COD (chemical oxygen demand), TOC (total organic carbon) and TOX (total organic halides). Results of the monitoring program through February 1989 are summarized in Appendix A. Laboratory analyses of the water samples collected in February 1989 are presented at the end of Appendix A, along with the standard Chain-of-Custody documentation.

The general trends noted in the 1987 SWAT report have continued in 1988. Both seasonal and long term water quality trends are apparent in the monitoring wells with increasing chloride levels and decreasing water levels becoming more pronounced. The statistical analysis shows that during the 1988 SWAT data collection period, inorganic and organic concentrations remained within the historical database range.

Ground water sampled in February 1989 from upgradient Monitoring Well 4899 showed an increase in ToC, COD and pH. Decreases were noted in NO₃ (nitrate), HCO₃ (bicarbonate), EC, and TDS (total dissolved solids). All other constituents remained constant.

Downgradient in Wells 4909C and 4909F, ground water samples from February 1989 showed elevated HCO_3 , Cl (chloride), and PCE (perchloroethylene), and decreased levels NO_3 and CO_2 . All other constituents remained constant. The trace amounts of volatile



HYDROGRAPH OF MONITORING WELL 4909C





organic compounds found in water from the downgradient wells may be attributed to transport beneath the landfill from the upgradient area.

In order to interpret the water quality trends, a brief ground water flow explanation is necessary. The downgradient monitoring well analysis shows solvent levels that either represent a migrating solvent plume or contaminants released by the landfill. Assuming the average ground water flow velocity is 12.4 feet per day (February 1989, see Appendix B), solvents that first appeared in the upgradient monitoring well would take about nine months to appear in the downgradient monitoring wells. For example, in April total solvents (PCE, TCE (trichloroethylene), (dichloroethane), etc.) were less than 7 micrograms per liter at upgradient Monitoring Well 4899. This solvent concentration should be compared with the February 1989 analysis at downgradient Well 4909F, which shows a similar solvent level. It appears, therefore, that the Hewitt Landfill did not release the solvents as monitored in the downgradient monitoring wells in February 1989. Rather, the landfill was simply in the flow path of a migrating solvent plume.

The interpretation of water quality conditions shows many factors are simultaneously operating at Hewitt Landfill. All may affect water quality. Travel times will shorten as DWP increases pumping of the nearby Rinaldi-Toluca Well Field. Also, different

solvents travel in the ground water at different rates due to partitioning by clay particles. The landfill is within an aquifer that has been affected by human activity. The observed pattern of contamination suggests multiple small sources of contamination. Long term water level changes, as well as changes in flow direction, may also affect ground water quality. The low concentrations of all the downgradient monitored parameters (except hardness) indicate that the Hewitt Landfill is not measurably affecting water quality.

STATISTICAL DISTRIBUTION AND WATER QUALITY HISTORY CHARTS

Figure 3 is an example of how the statistical distribution graphs (Figures 4 through 9) work. Figures 4 through 16 were selected from the database for both representative conditions upgradient of Hewitt Landfill and to show the status of important indicator parameters. Each figure includes a brief data interpretation. Figures 4 through 9 are statistical distribution graphs for concentrations of selected parameters NO₃, Cl, pH (field), HCO₃, PCE and TOX at the three monitoring wells. Figures 10 through 16, the water quality history charts, show the variations in concentrations of selected parameters NO₃, Cl, HCO₃, PCE and TOX versus time for each monitoring well. The shape of the concentration curves on the charts show that substances spilled

close to a monitoring well are still highly concentrated and appears graphically as a narrow (because a small plume width takes a short time to pass the well) and high (high concentration) curve. On the other hand, a substance spilled some distance away from a monitoring well spreads out, resulting in dilution at the plume edges. This appears on the charts as a wide (because more time is taken for a wide plume width to pass the well) and low (lowering concentrations) curve. Figures 17 through 22 show the areal distribution of parameters NO₃, pH, HCO₃, Cl, and TOX.

SURFACE WATER SAMPLING

Surface water is not affected by the landfill because the trash is covered by up to 20 feet of earth fill. Any runoff would be affected by current land use at the site, which is used for outdoor storage yards for equipment and cars. Therefore, surface water sampling was waived for this site.

LYSIMETER RESULTS

Two lysimeters were installed at the landfill in April 1988. to monitor the vadose zone, the unsaturated sediments above the water table. Repeated attempts have been made to obtain samples from them with no success. We attribute this to the extremely adverse conditions where the lysimeters were installed. These



instruments are not physically capable of extracting pore water from sand, gravel, and boulders. The instruments develop up to approximately 6 atmospheres of vacuum, but in these materials pore water is held at 15 to 20 atmospheres.



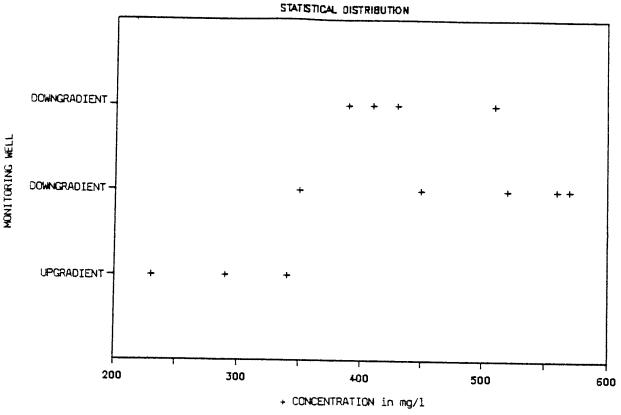


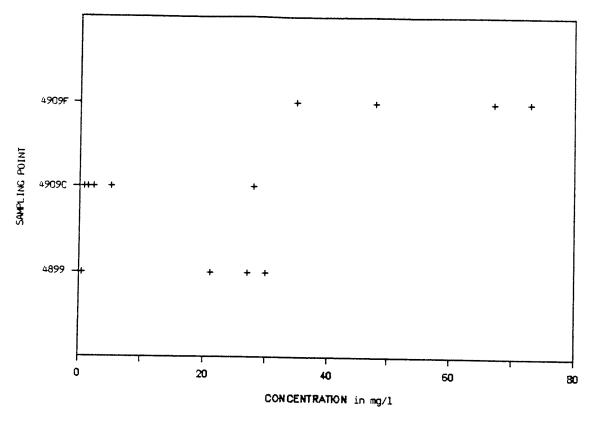
FIGURE 3

STATISTICAL DISTRIBUTION GRAPH EXAMPLE

This graph shows the frequency distribution for measurements concentration of one parameter at each well in a monitoring network. summarizes concentrations at all sampling times for each point. Using this graph, the data's mean, range and distribution may be visually estimated. In this case, downgradient levels considerably are higher than upgradient levels but are similar to each other, although one has a larger range than the other. This graph is the visual equivalent to calculating a T-distribution, which also compares means and standard deviations of upgradient and downgradient data sets.

Reference: The Elements of Graphing Data, 1985, Bell Laboratories by W. Cleveland.





STATISTICAL DISTRIBUTION OF NITRATE

Levels nitrate in downgradient Monitoring Well 4909F are higher than the upgradient Monitoring **Well 4899** downgradient Monitoring Well 4909C. Possible sources of nitrate could include previous surrounding land use. The wide point spread and persistent concentration levels at Well 4909F shows a fairly large plume (originating from a distant source) is migrating through the area.



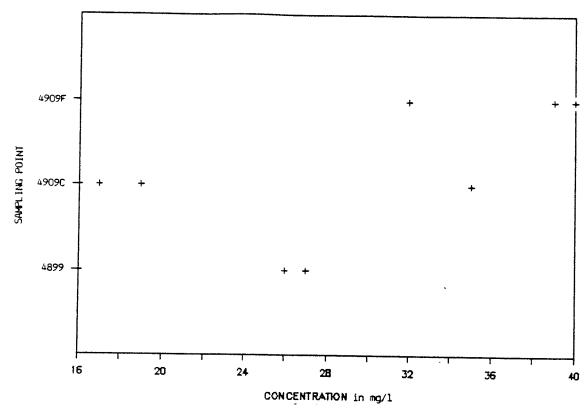


Figure 5 STATISTICAL DISTRIBUTION OF CHLORIDE

The split in chloride concentrations at downgradient Monitoring Well 4909C shows the existence of two chloride sources with varying water quality. This data indicates that Well 4909C receives ground water from two distinct aquifer subareas.



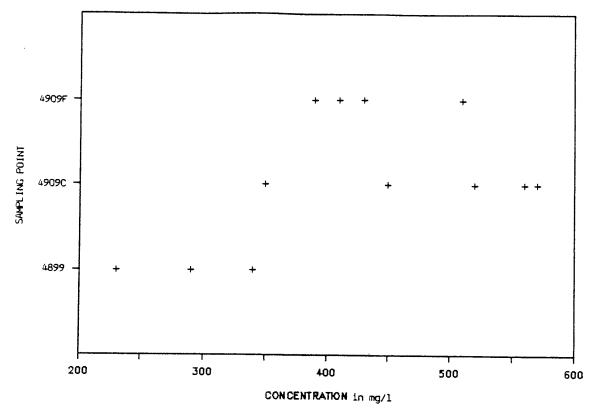


Figure 6
STATISTICAL DISTRIBUTION OF BICARBONATE

The higher bicarbonate levels downgradient of the landfill indicate the presence of landfill gas (CO_2). The CO_2 gas reacts with water to form bicarbonate.



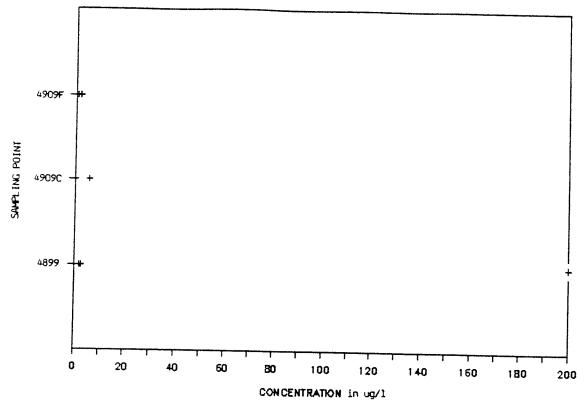


Figure 7 STATISTICAL DISTRIBUTION OF PERCHLOROETHYLENE

The single high concentration of perchloroethylene in upgradient Monitoring Well 4899 indicates a migrating solvent slug passed the area upgradient of the landfill in February 1987.



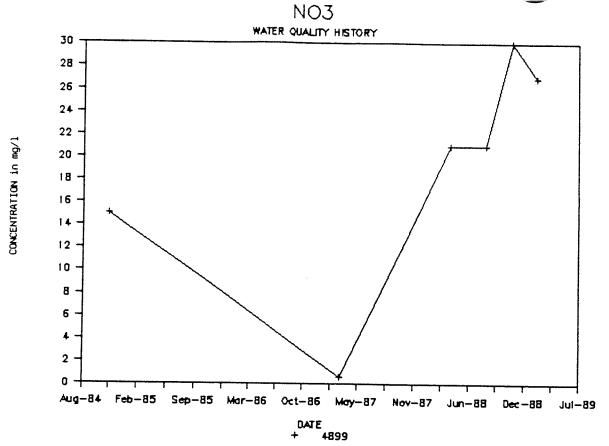


Figure 8
WATER QUALITY HISTORY OF NITRATE AT WELL 4899

This chart of Monitoring Well 4899 shows the passage of large nitrate slugs upgradient of the landfill.



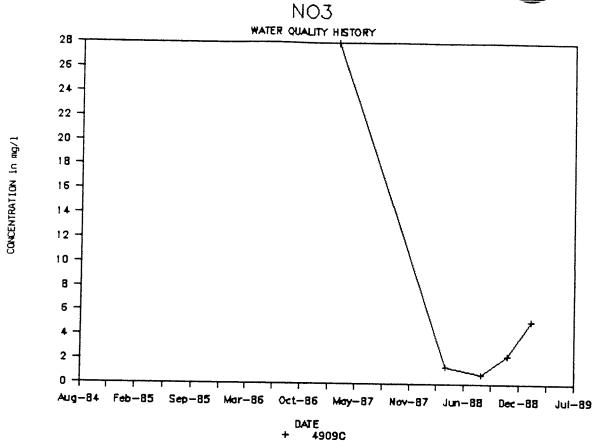
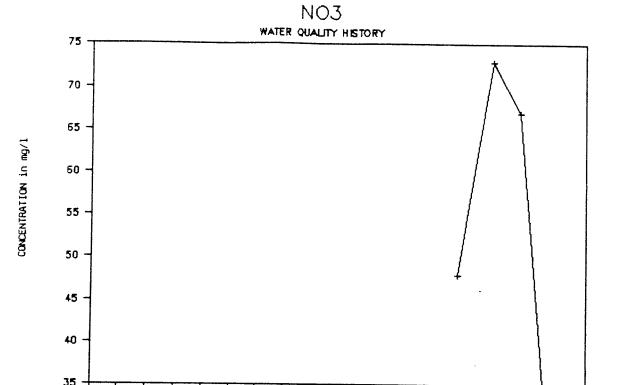


Figure 9 WATER QUALITY HISTORY OF NITRATE AT WELL 4909C

Downgradient Monitoring Well 4909C shows the passage of a large nitrate slug, similar in concentration to nitrate slugs seen in upgradient Well 4899 a year earlier.





Aug-84 Feb-85 Sep-85 Mar-86 Oct-86 May-87 Nov-87 Jun-88 Dec-88

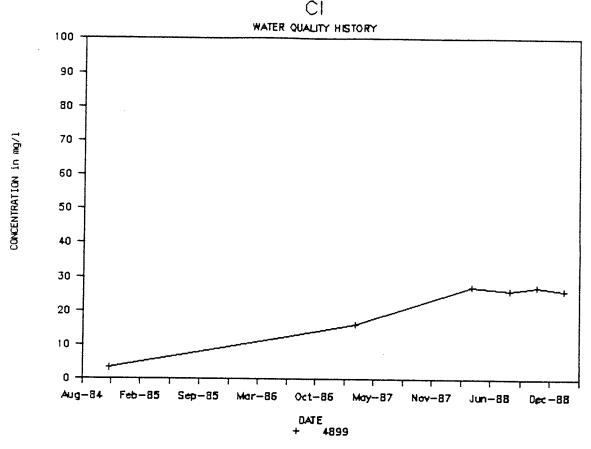
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Figure 10

WATER QUALITY HISTORY OF NITRATE AT WELL 4909F

Downgradient Monitoring Well 4909F has higher nitrate concentrations than downgradient Monitoring Well 4909C. This variation in concentration may be due to either different concentrations in passing nitrate slugs, different nitrate sources, or a closer nitrate source.

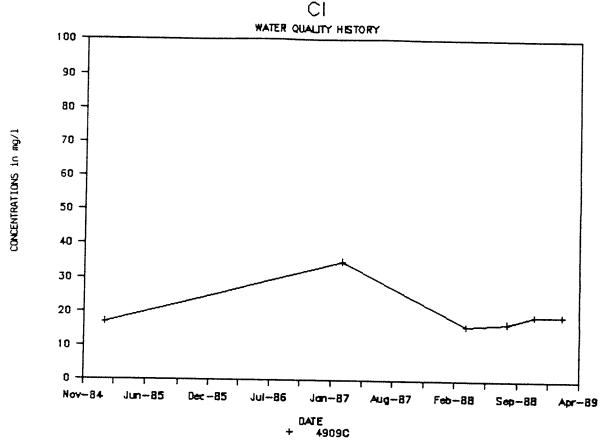




WATER QUALITY HISTORY OF CHLORIDE AT WELL 4899

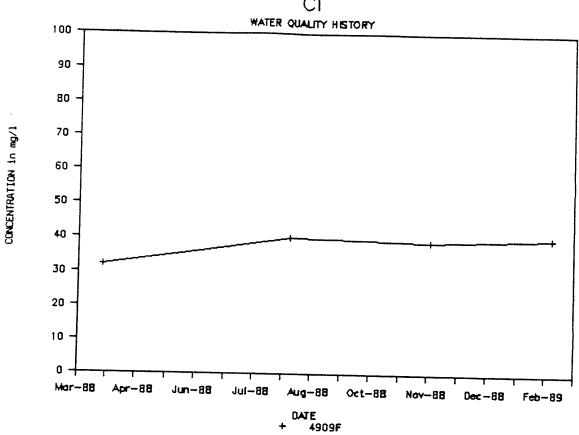
There has been an overall rise in chloride concentration levels in upgradient Monitoring Well 4899 since November 1984. These rising levels could be in part related to the decrease in ground water levels, driving poorer quality water out of less permeable zones in the aquifer.





WATER QUALITY HISTORY OF CHLORIDE AT WELL 4909C

Note the overall decline in chloride concentration levels from January 1987 to February 1988 at downgradient Monitoring Well 4909C. This decrease may partially be due to the changing ground water flow direction caused by the Department of Water and Power pumping operations nearby and possibly indicates a different and lower chloride concentration source upgradient of Well 4909C.



WATER QUALITY HISTORY OF CHLORIDE AT WELL 4909F

There has been a slight overall rise in chloride levels in downgradient Monitoring Well 4909F, since April 1988. These rising levels could be related in part to the decrease in ground water levels, draining poorer quality water out of less permeable zones in the aquifer.



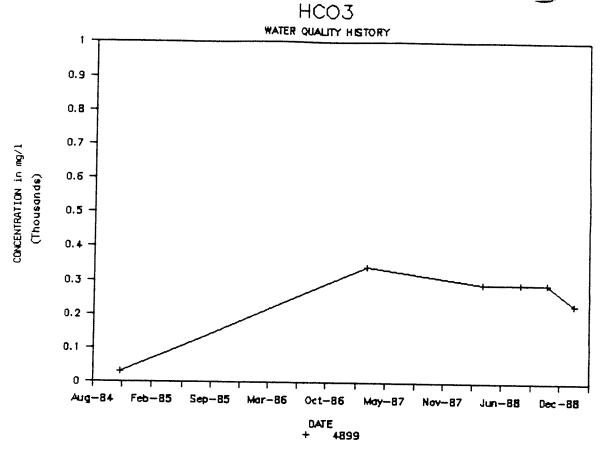


Figure 14
WATER QUALITY HISTORY OF BICARBONATE AT WELL 4899

Increasing concentration levels of bicarbonate have entered the area upgradient of the landfill and are declining as of November 1988.



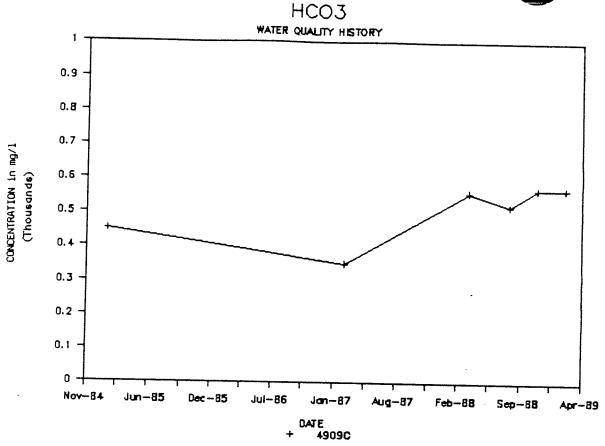


Figure 15 WATER QUALITY HISTORY OF BICARBONATE AT WELL 4909C

The overall rise in bicarbonate concentration levels in downgradient Monitoring Well 4909C is due to landfill gas (CO₂) reacting with water to produce bicarbonate.



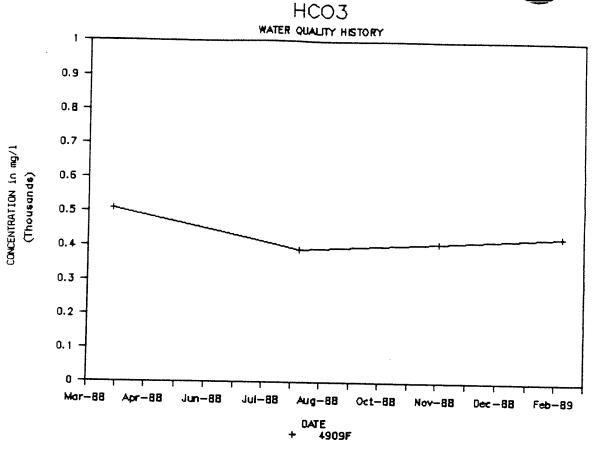


Figure 16
WATER QUALITY HISTORY OF BICARBONATE AT WELL 4909F

There has been an overall decline in bicarbonate concentration levels in downgradient Monitoring Well 4909F.

Page 24

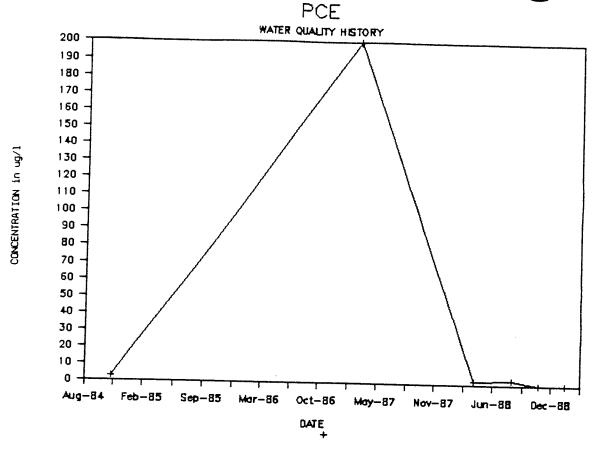
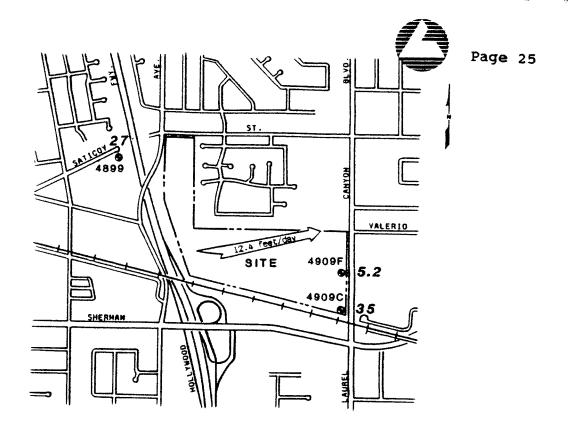


Figure 17

WATER QUALITY HISTORY OF PERCHLOROETHYLENE

This chart shows that a perchloroethylene slug passed the upgradient Monitoring Well 4899 in February 1987.



4899

MONITORING WELL LOCATION AND NUMBER

35 NITRATE CONCENTRATION IN MILLIGRAMS PER LITER

GROUND WATER FLOW DIRECTION AND VELOCITY

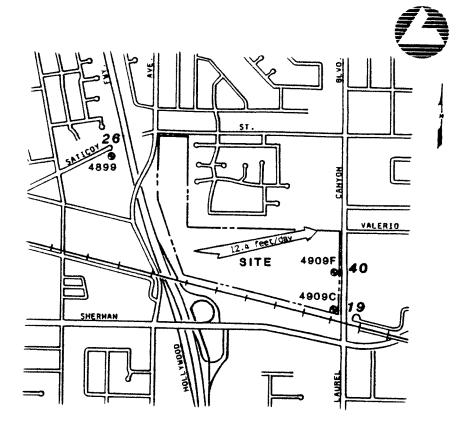
BASE MAP MODIFIED FROM U.S. GEOEOGICAL SURVEY 7.5 MINUTE VAN NUYS TOPOGRAPHIC QUADRANGLE, 1972.



Figure 18

AREAL DISTRIBUTION OF NITRATE IN FEBRUARY 1989

Nitrate is normally found at natural levels less than 10 mg/l in parts of the local aquifer not yet affected by human activity. The sources of nitrate include fertilizer and animal wastes from agriculture development, household septic tank effluent, and natural decaying plant material. Low concentrations of nitrate are often observed downgradient of landfills. This phenomenon may be caused by bacteria in the anoxic conditions below the landfill. The nitrate concentration at Hewitt Landfill varies from 5.2 milligrams (Well 4909F) to 35 milligrams (Well 4909C). The state action level to protect ground water for nitrate is 45 milligrams per liter. The landfill does not appear to be a source of nitrate release.



MONITORING WELL LOCATION AND NUMBER

40 CHLORIDE CONCENTRATION IN MILLIGRAMS PER LITER

GROUND WATER FLOW DIRECTION AND VELOCITY

BASE MAP MODIFIED FROM U.S. GEOLOGICAL SURVEY 7.5 MINUTE VAN NUYS TOPOGRAPHIC QUADRANGLE, 1972.

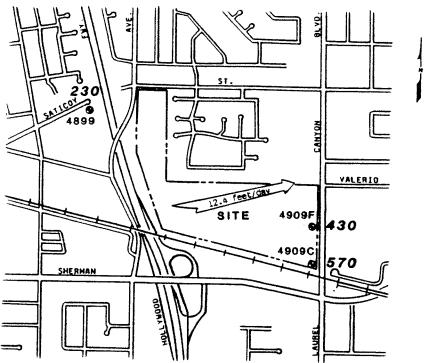


Figure 19

AREAL DISTRIBUTION OF CHLORIDE IN FEBRUARY 1989

Chloride is a sensitive indicator of inorganic water quality and is relatively free of other chemical interference. The range of chloride fluctuation at the landfill is the same for both upgradient monitoring well 4899 and downgradient wells 4909C and 4909F. Well 4909F had the highest chloride measurement during the 1988 SWAT monitoring period. This appears to be related to a general increase in chloride concentration as water levels decline in the underlying aquifer. Hewitt landfill does not appear to be influencing chloride levels; the opposite would be expected if leachate were present.





4899

MONITORING WELL LOCATION AND NUMBER

570 BICARBONATE CONCENTRATION IN MILLIGRAMS PER LITER

GROUND WATER FLOW DIRECTION AND VELOCITY

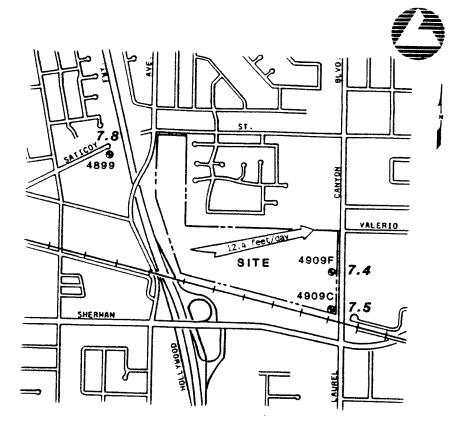
BASE MAP MODIFIED FROM U.S. GEOLOGICAL SURVEY 7.5 MINUTE VAN NUYS TOPOGRAPH QUADRANGLE, 1972.



Figure 20

AREAL DISTRIBUTION OF BICARBONATE IN FEBRUARY 1989

Bicarbonate results from reactions between carbon dioxide gas (CO2) and water. Calcium or magnesium in the aquifer materials act as sources mineralization. Associated parameters are alkalinity, hardness, pH, TDS, and EC. During the 1988 SWAT monitoring program, upgradient monitoring well 4899 had a 40 mg/l decrease in bicarbonate Downgradient monitoring wells 4909C and 4909P showed an opposite 40 mg/l increase. These variations in water quality appear to be due to landfill gas (CO2) dissolving in ground water beneath the landfill and releasing calcium, Mg, bicarbonate and alkalinity.



4899

MONITORING WELL LOCATION AND NUMBER

7.8 RELATIVE ALKALINITY OR ACIDITY

GROUND WATER FLOW DIRECTION AND VELOCITY

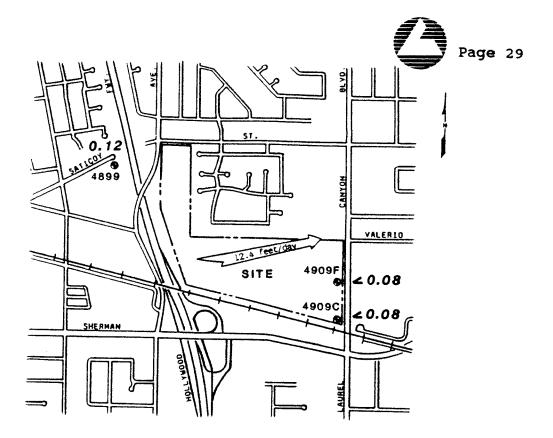
BASE MAP MODIFIED FROM U.S. GEOŁOGICAL SURVEY 7.5 MINUTE VAN NUYS TOPOGRAPHIC QUADRANGLE, 1972.



Figure 21

AREAL DISTRIBUTION OF PH IN FEBRUARY 1989

pH, a relative measure of alkalinity or acidity, is by varying carbon dioxide affected gas concentrations. More CO2 gas causes a decrease in pH (CO_2) which dissolves minerals out of the aquifer. turn causes increases in alkalinity, bicarbonate and calcium. pH reacts much faster than the rate of ground water flow which indicates that the Hewitt Landfill is producing carbon dioxide gas. Over the year long 1988 SWAT period, pH has decreased to 7.4 in downgradient monitoring Wells 4909C and 4909F. Upgradient monitoring Well 4899 has increased in pH to 7.8. At this site, the pH changes 1 point between field and lab measurements. This is probably due to loss of CO2 during transport and storage.



4899

MONITORING WELL LOCATION AND NUMBER

0.12 TOTAL ORGANIC HALIDES
IN MILLIGRAMS PER LITER

GROUND WATER FLOW DIRECTION AND VELOCITY

BASE MAP MODIFIED FROM U.S. GEOLOGICAL SURVEY 7.5 MINUTE VAN NUYS TOPOGRAPHIC QUADRANGLE, 1972.



Figure 22

AREAL DISTRIBUTION OF TOTAL ORGANIC HALIDES IN FEBRUARY 1989

Total organic halides (TOX) is the total of halogenated (chlorinated) solvents in ground water. The levels are highest in the upgradient monitoring Well 4899 indicating an off-site source in these solvents.



CONCLUSIONS

LEACHATE MIGRATION

Leachate is not known to occur at the site and the landfill does not appear to be releasing hazardous compounds to the ground water. Hewitt Landfill may contain minimal concentrations of hazardous materials, although records of waste received by the site are poor. The trash fill, where intercepted by drilling, is unsaturated and relatively undecomposed (see Appendix C for well logs of leachate test well). The description of materials from the Hewitt leachate well, drilled into trash, includes paper, cardboard, wood chips and demolition debris in a slightly moist, sandy matrix. This dryness can be attributed to the efficiency of the final cover as a barrier to rain water.

GAS MIGRATION

There is no apparent threat to ground water from methane gas migrations coming from the Hewitt Landfill. Gas is effectively controlled by the landfill gas collection system installed during the mid-70's. Landfill gas analysis indicate only trace amounts of solvents.



REMEDIAL ACTION

We recommend continued vigilance in adjusting the gas collection system and maintenance of the final cover. Such adjustments to the gas collection system include prevention of off-site migration. Maintenance of the final cover includes proper run-off control to prevent water from ponding on the site, and correction of ponding and cracks as they develop.

In February 1987, sampling of upgradient Monitoring Well 4899 showed high solvent concentrations of TOC (6 ug/l), TCE (45 ug/l) and PCE (200 ug/l) which indicates a migrating solvent plume is passing under the landfill. If the ground water flow regime remains generally the same, the solvent plume should appear in the downgradient monitoring wells around October 1989.



If you have any questions, or if we can clarify anything over the phone, please call Alice Campbell at Law Environmental, Inc. (818) 848-0214.

Yours very truly,

LAW ENVIRONMENTAL, INC.

bv

Martine Alter Staff Geologist

bv

Alice Campbell, C.E.G. 1157 Hydrogeologist

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Glenn A. Brown, C.E.G. 3 Senior Vice President

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APPENDIX A GROUND WATER DATA BASE AND LABORATORY ANALYSES

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| 4899 | | 10110 | | | , | | | | ====== 830 | 7.8 | 11 | 14 | :==== 34 | | | | | | | :====: | ===== | |
| 4899 | 27-Feb-87 | , -, - | | 7.7 | 63 | 720 | 6.0 | 153 | | | | | | | _ | • • | | | 15.0 | | | 420 |
| 4899 | 04-Apr-88 | 767.6 | | | 62 | 498 | | 100 | 620 | | • | | | | - | 0.0 | _ | 16 | | | | 300 |
| 1899 | 10-Aug-88 | 767.6 | 246. | 8 nm | 61 | 498.0 | | 152 | | | • • • | | | | <0.6 | | - | | | | 0.20 | 320 |
| 1899 | 09-Nov-88 | 767.6 | 264. | 7.6 | 61 | _ | | 304 | | | • • | | | | <0.6 | | | | | | 0.20 | 390 |
| 1899 | 10-Feb-89 | 767.6 | 269. | 3 7.8 | 61 | | | 168 | | 7.8 | - | | | | <0.6 | 290 | | | | | 0.20 | 420 |
| | | | | | - | | ••• | 100 | 370 | 7.0 | 0.3 | 11 | 20 | 2.5 | ζ0 | 230 | 42 | 26 | 27.0 | 0.27 | 0.20 | 370 |
| | 23-Jan-85 | | | | | | | | 810 | 7.2 | 75 | 28 | 22 | 5 0 | | 450 | 20 | 4 7 | | | | |
| | 27-Feb-87 | | | 7.1 | 63 | 580 | | | 760 | | 110 | | | | | 450 | | 17 | 22.2 | | | 760 |
| 1909C | 04-Apr-88 | | | 7.8 | 63 | | 27.0 | 463 | | 8.0 | | | - | 4.4 | 0 | 350 | 56 | 35 | | | | 450 |
| 909C | 10-Aug-88 | 754.2 | 248.1 | 7.8 | 64 | nm . | 27.0 | 462 | | 7.6 | 120 | _ | | | <0.6 | 560 | 33 | 16 | 1.4 | | 0.30 | 520 |
| 909C | 09-Nov-88 | 754.2 | 266.2 | 7.2 | 63 | 900 | | 524 | 950 | | 130 | | | | <0.6 | 520 | 30 | 17 | 0.8 | | 0.48 | 330 |
| 909C | 06-Feb-89 | 754.2 | 273.4 | 6.9 | 61 | _ | | 516 | | 7.5 | 130 | | | | <0.6 | 570 | 29 | 19 | 2.3 | | 0.20 | 540 |
| | | | | | | | 34.10 | 310 | 730 | 1.5 | 130 | 21 | | 4.4 | <0.6 | 570 | 29 | 19 | 5.2 | 0.34 | 0.30 | 550 |
| 909F | | 759.5 | | 7.5 | 64 | 750 | 15.0 | 390 | 960 | 7.5 | 130 | 24 | 50 | <i>c</i> n | /0 C | E10 | 50 | 20 | 40.0 | | | |
| 909F | 10-Aug-88 | 759.5 | 247.4 | 7.5 | 63 | 750 | 15.0 | 390 | 1000 | | 140 | 24 | 48 | | <0.6 | 510 | 50 | 32 | | | 0.20 | 570 |
| 909F | 15-Nov-88 | 759.6 | 272.2 | 7.3 | 59 | 850 | 16.0 | 448 | 1000 | | 140 | 26 | 58 | | <0.6 | 390 | 75 70 | 40 | 73.0 | 0.20 | | 630 |
| 909F | 06-Feb-89 | 759.6 | 280.4 | 7.1 | 61 | 980 | 16.0 | 440 | | 7.4 | 130 | 23 | 50 52 | 6.2 | | 410 | 70 | 39 | 67.0 | | 0.20 | 630 |
| | | | | | | | | | | | | | | | <0.6 | 430 | 70 | 40 | 35.0 | 0.43 | 0.20 | 620 |
| , | | ====== | ===== | ==== | ===== | ===== | ===== | ===== | ====== | ==== | ===== | ==== | ===== | ===== | ==== | ===== | ===== | ==== | ====== | :====: | ::::: | ==== |
| | ximum | 767.6 | 280.4 | 7.8 | 63.5 | 9 80 .0 | 4 3.0 F | 524.N | 1000.0 | g n | 1 <i>4</i> ∩ ∩ | 31 N | E0 1 | 12.0 | MA | E70 0 ' | 220.0 | 10.0 | 33.0 | | | |
| n j | nimum | 754.2 | 246.8 | 0.0 | 59.0 | 0.0 | 6.0 1 | 52.0 | 570.0 | 7.2 | 11 0 | 31.U | 20.0 | 13.0 | NA : | 5/U.U . | | | 73.0 | | 0.5 | - |
| m e | an | 760.6 | 263.1 | 6.9 | 61.8 f | 68.2 | 18.0 3 | 67.4 | 798.1 | 7.6 | 102 E | 30 U | 40.U | | | 30.0 | 0.0 | | 0.6 | | 0.2 | |
| st | d dev | 5.8 | 11.9 | 2.0 | 1.3 2 | 47.0 | 11.4 1 | 33.4 | 159.5 | 1.U | 34 E | 2U.Y | 40.4 | 5.0 | | 389.4 | 54.8 2 | | 25.0 | | 0.3 | |
| CO | ef of v | 0.0 | 0.0 | 0.3 | n n | Λ 4 | 0.6 | .JJ.7 | 0.2 | 0.2 | 0.3 | | | 2.3 0.5 | na . Na | 141.4 0.4 | 46.5 1 | | 22.4 | 0.1 | 0.1 | 129.6 |

GROUND WATER DATABASE (CONTINUED)

| :==== | ======== | ===== | ===== | OR ===== | GANIC | S (| ppb) ======= | TRACE | ELEMENT | (ppm) | | | | TRACE E | LEMENTS | (ppm) | | | |
|-------|-----------|-------|-------|-------------|---------------|--------------|--------------------|-------|--------------|---------------|---------------|----------|---------------|----------------|---------------|--------|--------------|--------------|--------|
| OINT | DATE | COD | TOX | TCE | | | 1,2DCA ======== | Al | A 9 | As | Cd | Cu | ======= Fe | ====== Hg | ======= Mn | Pb | ====== Ni | ====== Se | Zn |
| 1899 | 08-Nov-84 | | | | | .===: / 3 | | | | ====== | ====== | | | ====== | ====== | ====== | ====== | ====== | ====== |
| 899 | 27-Feb-87 | | 6.00 | 45 | | 00 . | <1 | | | | | <0.6 | 0.590 | | 0.032 | | | | 0.01 |
| 899 | 04-Apr-88 | 4.00 | | | _ | 2 . | • | <0.2 | ∠0.02 | <u>د0 000</u> | رم م <u>م</u> | <0.2 | <0.02 | | <0.050 | | | | <0.03 |
| 899 | 10-Aug-88 | | <0.08 | | | 3 | _ | <0.2 | | <0.002 | | <0.02 | | <0.0008 | | <0.002 | <0.04 | <0.004 | 0.17 |
| 899 | 09-Nov-88 | | <0.08 | | <1 | | <1 | | <0.02 | | | | | <0.0008 | | <0.002 | <0.04 | | 0.10 |
| 899 | 10-Feb-89 | | 0.12 | _ | <1 | | (1 | <0.2 | | <0.002 | | | | | <0.005 | <0.002 | <0.04 | <0.004 | <0.03 |
| | | • | 0112 | ** | `1 | , | `1 | <0.2 | <0.01 | <0.003 | <0.001 | <0.02 | 0.120 | <0.0008 | <0.005 | 0.002 | <0.04 | <0.004 | <0.03 |
| 909C | 23-Jan-85 | <3.0 | | 2 | 2 | 6 | | | | | | <0.14 | ∠0 12 | | 40. O4 | | | | |
| 909C | 27-Feb-87 | | <3.0 | 71 | Ĺ | 6 < | <1 | <0.2 | <0.02 | <0.002 | <0.001 | | | 40.0000 | <0.04 | .0.000 | | | <0.018 |
| 909C | 04-Apr-88 | <3.0 | 0.16 | <1 | <1 | < | (1 | <0.2 | <0.02 | <0.002 | | | | <0.0008 | | <0.002 | | | |
| 909C | 10-Aug-88 | <3 | <0.08 | <1 | <1 | | 1 | <0.2 | <0.02 | <0.002 | | | | <0.0008 | | <0.002 | <0.04 | <0.004 | 0.03 |
| 909C | 09-Nov-88 | 6.00 | <0.08 | <1 | <1 | | $\overline{1}$ | <0.2 | <0.02 | <0.002 | | | 1.300 | | | <0.002 | <0.04 | <0.001 | 0.040 |
| 909C | 06-Feb-89 | <15 | <0.08 | <1 | < 1 | | 1 | <0.2 | | <0.002 | | | | <0.0008 | | <0.002 | <0.04 | | <0.03 |
| | | | | | - | | • | \0.Z | \0.UI | \U.UUZ | \U.UU4 | <0.02 | 2.000 | <0.0008 | <0.008 | <0.002 | <0.04 | <0.004 | 0.090 |
| 909F | 04-Apr-88 | <3.0 | <0.08 | 4 | <1 | < | :1 | <0.2 | <0.02 | <0.002 | ∠n no | ∠n nɔ | 0 000 | <0.0000 | 0.050 | .0.000 | | | |
| 909F | 10-Aug-88 | <3.0 | <0.08 | | | | | <0.2 | | <0.002 | | | | <0.0008 | | <0.002 | <0.04 | <0.004 | 0.030 |
| 909F | 15-Nov-88 | 20.00 | <0.08 | <1 | | 1 < | 1 | <0.2 | | <0.002 | | | | <0.0008 | | <0.002 | <0.04 | | <0.03 |
| 909F | 06-Feb-89 | <15 | <0.08 | 1 | | 2 < | | <0.2 | | <0.002 | | | | <0.0008 | | <0.002 | <0.04 | <0.004 | 0.080 |
| | | | | | | _ | - | .0,2 | ~0.01 | \U.UUZ | \U.UU3 | \U.UZ | U • 40U | <0.0008 | <0.005 | <0.002 | <0.04 | <0.004 | 0.100 |
| ===== | | ===== | ===== | ==== | **** | === | ********** | | ====== | :====== | ====== | ====== | ====== | ======= | ======= | ====== | :====: | ======= | ====== |
| | ximum | 20.0 | 6.0 | 71.0 | 200. | 0 | NA | NA | NA | NA | NA | NA | ว n | 0.0010 | 0.050 | 0 000 | 114 | 0 004 | 0 170 |
| mi | nimum | 0.0 | 0.0 | 0.0 | 0. | 0 | NA | NA | NA | NA | NA | NA | 0.0 | 0.0000 | 0.000 | 0.002 | NA | 0.004 | 0.170 |
| ne. | | 2.3 | 0.6 | 8.5 | 14. | 9 | NA | NA NA | NA | NA | NA | NA | - | 0.0000 | 0.000 | 0.000 | NA | 0.000 | 0.000 |
| | d dev | 5.4 | 1.7 | 20.8 | 49. | 5 | NA | NA | NA | NA | NA | NA NA | | 0.0001 | 0.007 | 0.000 | NA | 0.000 | 0.041 |
| CO | ef of v | 2.4 | 3.0 | 2.4 | 3. | 3 | NA | NA | NA | NA | NA | NA | 1.0 | 3.5 | | 0.001 | NA | 0.001 | 0.050 |
| | | | | | | | | **** | 1411 | MFI | ווח | ıın | 1.0 | 3.3 | 1.8 | 3.5 | NA | 3.5 | 1.2 |

NA = not available

nm = not measured

B&C = Brown & Caldwell Laboratories

Project No. 58-7057



ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-8579

LOG NO: P89-02-187

Received: 10 FEB 89 Reported: 01 MAR 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATE | R SAMPLES | DATE SAMPLED |
|-------------------------|---|-------------|--------------|
| 02-187-1 | | | 10 PEB 89 |
| PARAMETER | | 02-187-1 | |
| Oil and Gre Fluoride, m | g/L ic Halides (TOX), mg/L g/L /L g/L /L ng/L /L g/L /L g/L /L g/L /L | <pre></pre> | |
| | | | |



BROWN AND CALDWELL LABORATORIES

ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

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LOG NO: P89-02-187

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Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER | R SAMPLES | DATE SAMPLED |
|------------|----------------------------------|-----------|--------------|
| 02-187-1 | | | 10 222 00 |
| PARAMETER | | 02-187-1 | |
| B/N.A Ext. | Pri.Poll. (BPA-625) | | |
| Date Extra | | 02/13/89 | |
| Date Analy | yzed | 02/27/89 | |
| Dilution 1 | Factor, Times l | 1 | |
| 1,2,4-Trie | chlorobenzene, ug/L | <10 | |
| 1,2-Dichlo | probenzene, ug/L | <10 | |
| | nylhydrazine, ug/L | <10 | |
| | probenzene, ug/L | <10 | |
| | orobenzene, ug/L | <10 | |
| | chlorophenol, ug/L | <10 | |
| | prophenol, ug/L | <10 | |
| | nylphenol, ug/L | <10 | |
| | rotoluene, ug/L | <10 | |
| | cophenol, ug/L | <10 | |
| | cotoluene, ug/L | <10 | |
| | aphthalene, ug/L | <10 | |
| • | iphthalene, ug/L | <10 | |
| • | Phenol, ug/L | <10 | |
| 2-Nitrophe | | <10 | |
| | line, ug/L | <10 | • |
| | chlorophenol, ug/L | <10 | |
| | enol, ug/L | <10 | |
| | ,6-dinitrophenol, ug/L | <50 | • |
| | orobenzidine, ug/L | <10 | |
| | line, ug/L | <10 | |
| | enylphenylether, ug/L | <10 | |
| 4-CUTOLO-3 | -methylphenol, ug/L | <10 | |



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Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER S | AMPLES · | DATE SAMPLED |
|--|--|---|--------------|
| 02-187-1 | 4899 | | |
| PARAMETER | | 02-187-1 | |
| 4-Chloroan 4-Methyl P 4-Nitrophe 4-Nitroani Acenaphthe Acenaphthy Aniline, u Anthracene Bis(2-ethy Benzidine, Benzoic Ac | nenylphenylether, ug/L miline, ug/L Phenol, ug/L enol, ug/L enol, ug/L ene, ug/L ene, ug/L elene,)phthalate, ug/L ug/L id, ug/L | <10 <20 <10 <25 <50 <50 <25 <20 <10 <40 <50 | |
| Bis(2-Chlo Bis(2-chlo Benzo(a)an Benzo(a)py Benzo(b)flu Benzo(g,h,: | roethyl) Ether, ug/L roisopropyl)ether, ug/L roethoxy)methane, ug/L thracene, ug/L rene, ug/L uoranthene, ug/L i)perylene, ug/L | <20 <10 <10 <10 <10 <10 <10 <10 <10 <10 | |
| Benzo(k)flu Butylbenzyl Chrysene, u Di-n-octylp Dibenzo(a,h Dibutylphth | uoranthene, ug/L lphthalate, ug/L | <10 <10 <10 <10 <10 <50 <10 | |

ANALYTICAL REPO

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FAX: (818) 795-85/9 LOG NO: P89-02-187

Received: 10 FEB 89 Reported: 01 MAR 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER | R SAMPLES | DATE SAMPLED |
|---|---|-------------|--------------|
| 02-187-1 | 4899 | | 10 FEB 89 |
| PARAMETER | | 02-187-1 | |
| Dibenzofur Fluorene, Fluoranthe Hexachloro Hexachloro Hexachloro Indeno(1,2 Isophorone N-Nitrosod N-Nitrosod N-Nitrosod Naphthalen Nitrobenze | ug/L ene, ug/L ebenzene, ug/L ebutadiene, ug/L ecyclopentadiene, ug/L ethane, ug/L e, 3-c,d)Pyrene, ug/L e, ug/L i-n-propylamine, ug/L imethylamine, ug/L iphenylamine, ug/L e, ug/L ne, ug/L ne, ug/L ne, ug/L | <pre></pre> | |



Chloroform, ug/L

BROWN AND CALDWELL LABORATORIES

ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

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Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

Page 5

| - | | · | rage |
|-------------|----------------------------------|-----------|--------------|
| LOG NO | SAMPLE DESCRIPTION, GROUND WATER | R SAMPLES | DATE SAMPLED |
| 02-187-1 | 4899 | | |
| PARAMETER | | | |
| Vol. Pri Po | D11. (EPA-624) | | |
| Date Anal | vrod | | |
| | | 02/18/89 | ~ |
| DITUITOR | Factor, Times 1 | 1 | |
| 1,1,1-1[1 | chloroethane, ug/L | <1 | |
| 1,1,2,2-1 | etrachloroethane, ug/L | <1 | |
| 1,1,2-1r1 | chloroethane, ug/L | <1 | |
| I,I-DICUL | oroethane, ug/L | <1 | |
| 1,1-Dichl | oroethylene, ug/L | <1 | |
| 1,2-Dichl | oroethane, ug/L | <1 | |
| 1,2-Dich1 | orobenzene, ug/L | <1 | |
| 1,2-Dichl | oropropane, ug/L | <1 | |
| 1,3-Dichl | orobenzene, ug/L | <1 | |
| cis-1,3-D | ichloropropene, ug/L | <1 | |
| 1,4-Dichle | orobenzene, ug/L | <1 | |
| 2-Chloroe | thylvinylether, ug/L | <1 | * |
| 2-Hexanone | e, ug/L | <1 | |
| Acetone, t | ug/L | <10 | |
| Acrolein, | ug/L | <10 | |
| Acryloniti | rile, ug/L | <10 | |
| Bromodich] | loromethane, ug/L | <1 | |
| Bromometha | ne, ug/L | <1 | • |
| Benzene, u | ıg/L | <1 | |
| Chlorobenz | ene, ug/L | <1 | |
| Carbon Tet | crachloride, ug/L | <1 | |
| Chloroetha | ine. ug/L | · · | |
| Bromoform, | | <1 | |
| Oh 3 | -o· - | <1 | |

REPORT OF ANALYTICAL RESULTS



ANALYTICAL REP

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-85/9 LOG NO: P89-02-187

Received: 10 FEB 89 Reported: 01 MAR 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| PARAMETER 02-187-1 Chloromethane, ug/L | LOG NO | SAMPLE DESCRIPTION, | GROUND WATER | SAMPLES | | DAT | SAMP | LED |
|--|--|---|--------------|---------|--|-----|-------|-----|
| PARAMETER 02-187-1 Chloromethane, ug/L | 02-187-1 | · | | | ****** | | O FEB | 89 |
| Chloromethane, ug/L Carbon Disulfide, ug/L Dibromochloromethane, ug/L Ethylbenzene, ug/L Ethylbenzene, ug/L Freon 113, ug/L Methyl Isobutyl Ketone, ug/L Methyl Ethyl Ketone, ug/L Methylene Chloride, ug/L Tetrachloroethylene, ug/L Styrene, ug/L Trichlorofluoromethane, ug/L Trichlorofluoromethane, ug/L Toluene, ug/L Vinyl Acetate, ug/L Vinyl Chloride, ug/L Total Yulone Texasor us/K | PARAMETER | | | | | | | |
| trans-1,2-Dichloroethylene, ug/L <1 trans-1,3-Dichloropropene, ug/L <1 | Carbon Discontinuous Dibromochlo Ethylbenzer Freon 113, Methyl Isola Methyl Ethyl Methylene Of Tetrachlorostyrene, ug Trichlorost Trichlorost Trichlorost Toluene, ug Vinyl Aceta Vinyl Chlor Total Xylentrans-1,2-D | nane, ug/L sulfide, ug/L coromethane, ug/L ene, ug/L ug/L bbutyl Ketone, ug/L cyl Ketone, ug/L chloride, ug/L coethylene, ug/L dylene, ug/L thylene, ug/L luoromethane, ug/L g/L ate, ug/L ride, ug/L ne Isomers, ug/L Dichloroethylene, ug/I | | | <1 <1 <1 <10 <1 <1 <1 <1 <10 <10 <10 <1 | | | (|

ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-8579 P89-02-187

LOG NO:

Received: 10 FEB 89 Reported: 01 MAR 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| Log Number: 89-02-187-1 Sample Description: 4899 | | | General Mineral Sampled Date 1 | |
|--|-------------------------------------|---|--|--------------------------------------|
| Anions | mg/L | meq/L | Determination | mg/L |
| Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) | 27 26 42 230 <6 | 0.44 0.73 0.87 3.8 <0.2 | Hydroxide Alk (as CaCO3) Carbonate Alk (as CaCO3) Bicarbonate Alk (as CaCO3) Ca Hardness (as CaCO3) Mg Hardness (as CaCO3) Total Hardness (as CaCO3) | <1 <10 190 210 45 255 |
| Total Milliequivalents per | Liter | 6.0 j | Iron Manganese | 0.12 |
| Cations | mg/L | meq/L | Copper Zinc | <0.02 <0.03 |
| Sodium Potassium Calcium (EDTA Titration) Magnesium | 28 2.5 83 11 | | Filterable Residue (TDS) | <0.1 370 590 7.8 |
| Total Milliequivalents per | Liter | 6.3 | | |

^{*} Conforms to Title 22, California Administrative Code

ANALYTICAL REP

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-85/9

LOG NO: P89-02-095

Received: 06 FEB 89 Reported: 17 FEB 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER SAMPLE | s · | DA | TE SAMPLED | |
|----------------------|---|----------|----------|------------------------|--|
| 02-095-1 02-095-2 | 4909C 4909F | | | 06 FEB 89 06 FEB 89 | |
| PARAMETER | | 02-095-1 | 02-095-2 | | |
| Chemical Oxy | gen Demand, mg/L | <15 | <15 | | |
| Oil and Grea | | <5 | 16 | | |
| Fluoride, mg | g/L | 0.3 | 0.2 | | |
| Total Organi | ic Halides (TOX), mg/L | <0.08 | <0.08 | | |
| Aluminum, mg | | <0.2 | <0.2 | | |
| Boron, mg/L | | 0.34 | 0.43 | | |
| Silicon, mg/ | | 11 | 10 | | |
| Antimony, mg | | 35 | 43 | | |
| Arsenic, mg/ | | <0.002 | <0.002 | | |
| Barium, mg/L | | 0.29 | 0.24 | | |
| Beryllium, m | | <0.001 | <0.001 | | |
| Cadmium, mg/ | | 0.004 | 0.003 | | |
| Chromium, mg | | <0.008 | <0.008 | | |
| Cobalt, mg/L | , | <0.04 | <0.04 | | |
| Lead, mg/L | | <0.002 | <0.002 | | |
| Mercury, mg/ | | <0.0008 | <0.0008 | | |
| Molybdenum, | | <0.2 | <0.2 | | |
| Nickel, mg/L | | <0.04 | <0.04 | | |
| Selenium, mg | | <0.004 | <0.004 | • | |
| Silver, mg/L | | <0.01 | <0.01 | | |
| Thallium, mg | | <0.2 | <0.2 | | |
| Vanadium, mg | /L | <0.03 | <0.03 | | |
| | | | | | |



ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-8579 LOG NO: P89-02-095

Received: 06 FEB 89 Reported: 17 FEB 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO SAMPLE DESCRIPTION, GROUND WAT | ER SAMPLES | DA | TE SAMPLED |
|---------------------------------------|------------|----------|------------------------|
| 02-095-1 4909C 02-095-2 4909F | | | 06 FEB 89 06 FEB 89 |
| PARAMETER | 02-095-1 | 02-095-2 | |
| B/N, A Ext.Pri.Poll. (EPA-625) | | | |
| Date Extracted | 02/09/89 | 02/09/89 | |
| Date Analyzed | 02/13/89 | 02/13/89 | |
| Dilution Factor, Times 1 | 1 | 1 | |
| 1,2,4-Trichlorobenzene, ug/L | <10 | <10 | |
| 1,2-Dichlorobenzene, ug/L | <10 | <10 | |
| 1,2-Diphenylhydrazine, ug/L | <10 | <10 | |
| 1,3-Dichlorobenzene, ug/L | <10 | <10 | |
| 1,4-Dichlorobenzene, ug/L | <10 | <10 | |
| 2,4,6-Trichlorophenol, ug/L | <10 | <10 | |
| 2,4-Dichlorophenol, ug/L | <10 | <10 | |
| 2,4-Dimethylphenol, ug/L | <10 | <10 | • |
| 2,4-Dinitrotoluene, ug/L | <10 | <10 | |
| 2,4-Dinitrophenol, ug/L | <25 | <25 | |
| 2,6-Dinitrotoluene, ug/L | <10 | <10 | |
| 2-Chloronaphthalene, ug/L | <10 | <10 | |
| 2-Methylnaphthalene, ug/L | <10 | <10 | |
| 2-Methyl Phenol, ug/L | <10 | <10 | |
| 2-Nitrophenol, ug/L | <10 | <10 | |
| 2-Nitroaniline, ug/L | <50 | <50 | |
| 2,4,5-Trichlorophenol, ug/L | <10 | <10 | |
| 2-Chlorophenol, ug/L | <10 | <10 | |
| 2-Methyl-4,6-dinitrophenol, ug/L | <50 | <50 | • |
| 3,3'-Dichlorobenzidine, ug/L | <10 | <10 | |
| 3-Nitroaniline, ug/L | <50 | <50 | |
| 4-Bromophenylphenylether, ug/L | <10 | <10 | |



ANALYTICAL REPCT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-85/9

LOG NO: P89-02-095

Received: 06 FEB 89 Reported: 17 FEB 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUN | D WATER | SAMPLES | | DA | TE SAMPLED |
|--|---|---------|---------|--------------------------|--------------------------|------------------------|
| 02-095-1 02-095-2 | 4909C 4909F | | | | | 06 FEB 89 06 FEB 89 |
| PARAMETER | | | | 02-095-1 | 02-095-2 | |
| 4-Chloroph | -methylphenol, ug/L enylphenylether, ug/L iline, ug/L | | | <10 <10 <20 | <10 <10 <20 | (|
| | henol, ug/L nol, ug/L | | | <10 <25 <50 | <10 <25 <50 | |
| Acenaphthe Acenaphthy Aniline, u | ne, ug/L lene, ug/L | | | <10 <10 <20 | <10 <10 <20 | |
| Benzidine, | lhexyl)phthalate, ug/L ug/L | | | <10 <10 <40 | <10 <10 <40 | |
| • | ohol, ug/L roethyl) Ether, ug/L | | | <50 <20 <10 <10 | <50 <20 <10 <10 | |
| Bis(2-chlo Benzo(a)an | roisopropyl)ether, ug/L roethoxy)methane, ug/L thracene, ug/L | | | <10 <10 <10 <10 | <10 <10 <10 <10 | |
| Benzo(g,h, | uoranthene, ug/L i)perylene, ug/L | | | <10 <10 <10 <10 | <10 <10 <10 | |
| Butylbenzy Chrysene, | uoranthene, ug/L lphthalate, ug/L ug/L phthalate, ug/L | | | <10 <10 <10 | <10 <10 <10 | |
| | h)anthracene, ug/L | | | <10 | <10 | |



ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-8579 LOG NO: P89-02-095

Received: 06 FEB 89 Reported: 17 FEB 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, | GROUND WATER SAMPLES | | DA | TE SAMPLED |
|---|--|----------------------|---|---|------------------------|
| 02-095-1 02-095-2 | 4909F | | · · · · · | | 06 FEB 89 06 FEB 89 |
| PARAMETER | | | 005 1 | 02-095-2 | |
| Dibutylpht Diethylpht Dimethylph Dibenzofur Fluorene, Fluoranthe Hexachloro Hexachloro Hexachloro Indeno(1,2 Isophorone N-Nitrosod N-Nitrosod Naphthalene Nitrobenzer | halate, ug/L halate, ug/L thalate, ug/L an, ug/L ug/L ne, ug/L benzene, ug/L butadiene, ug/L cyclopentadiene, ug/L ethane, ug/L ,3-c,d)Pyrene, ug/L i-n-propylamine, ug/L imethylamine, ug/L iphenylamine, ug/L e, ug/L ne, ug/L ophenol, ug/L | | <50 <10 <25 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 | <pre><50 <10 <25 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10</pre> | |
| Phenol, ug/ | • | | <10 <10 | <10 <10 | |

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-8579

LOG NO: P89-02-095

Received: 06 FEB 89 Reported: 17 FEB 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GRO | OUND WATER | SAMPLES | | DA | TE S | SAMPI | ED |
|---|---|------------|---------|---|--|------|------------|----|
| 02-095-1 02-095-2 | 4909C 4909F | | | | | | FEB FEB | |
| PARAMETER | | | 0 | 2-095-1 | 02-095-2 | | | |
| Date Analy Dilution Fi 1,1,1-Tricl 1,1,2,2-Te 1,1,2-Tricl 1,1-Dichlor 1,2-Dichlor 1,2-Dichlor 1,2-Dichlor 1,3-Dichlor cis-1,3-Dichlor 2-Chloroeth | l. (EPA-624) zed actor, Times 1 hloroethane, ug/L trachloroethane, ug/L nloroethane, ug/L roethane, ug/L roethylene, ug/L robenzene, ug/L robenzene, ug/L cobenzene, ug/L cobenzene, ug/L cobenzene, ug/L cobenzene, ug/L cobenzene, ug/L | | | 2/08/89 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 | 02/08/89 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 | | | (|
| Bromomethan Benzene, ug Chlorobenze | g/L le, ug/L achloride, ug/L e, ug/L | | | <10 <10 <10 <1 <1 <1 <1 <1 <1 <1 | <10 <10 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 | | | |

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LOS ANGELES. CALIFORNIA 90067-3039

October 13, 1993

TELEPHONE (310) 552-3400 FACSIMILE (310) 552-0805

OUR FILE NO 812.074

BY FEDERAL EXPRESS

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David B. Glazer, Esq.
Environmental Enforcement Section
Environmental and Natural Resources Division
UNITED STATES DEPARTMENT OF JUSTICE
301 Howard Street, Suite 870
San Francisco, CA 94105

Re: San Fernando Valley Area 1 - North Hollywood Operable Unit

EPA Superfund Site I.D. Nos. 59 and N1

Los Angeles County, California

Dear Mr. Glazer:

Thank you for yesterday's letter. Enclosed herewith please find my signature to the tolling extension agreement executed on behalf of CalMat Co. I look forward to receiving a copy of the fully executed agreement once it has been signed by all the parties.

Thank you for your courtesy and cooperation.

Yours very truly,

Barry C. Vaughan

for GIBBS, GIDEN, LOCHER, FLEMING & ACRET

cc: CalMat Co. t



ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-8579 P89-02-095

LOG NO: P89-02-095

Received: 06 FEB 89 Reported: 17 FEB 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, | GROUND WATER | SAMPLES | - | DA | TE SAMPLED |
|--|--|--------------|---------|--|--|------------------------|
| 02-095-1 02-095-2 | 4909C 4909F | | | | | 06 FEB 89 06 FEB 89 |
| PARAMETER | | | | 02-095-1 | 02-095-2 | |
| Chloroform Chlorometh Carbon Dis Dibromochl Ethylbenze Freon 113, Methyl Iso Methyl Eth Methylene Tetrachlor Styrene, u Trichloroe Trichlorof Toluene, u Vinyl Acet Vinyl Chlo Total Xyle trans-1,2- | ane, ug/L ulfide, ug/L oromethane, ug/L ne, ug/L ug/L butyl Ketone, ug/L yl Ketone, ug/L Chloride, ug/L oethylene, ug/L thylene, ug/L luoromethane, ug/L g/L | /L | | <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 < | 1 <1 <1 <1 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 | |
| • | .Pri.Poll. (EPA-624) | | | | | |

ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 798 LOG NO: P89-02-095

Received: 06 FEB 89 Reported: 17 FEB 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| Log Number: 89-02-095-1 Sample Description: 4909C | | , | General Mineral . Sampled Date 0 | • |
|--|-------|-------|-------------------------------------|-------|
| Anions | mg/L | meq/L | Determination | mg/L |
| Nitrate (as NO3) | 5.2 | 0.084 | Hydroxide Alk (as CaCO3) | <1 |
| Chloride | 19 | | Carbonate Alk (as CaCO3) | <1 |
| Sulfate | 29 | 0.6 | Bicarbonate Alk (as CaCO3 | 470 |
| Bicarbonate (as HCO3) | 570 | 9.4 | Ca Hardness (as CaCO3) | 320 |
| Carbonate (as CO3) | <0.6 | | Mg Hardness (as CaCO3) | 0 |
| | | | Total Hardness (as CaCO3) | 0د |
| Total Milliequivalents per | Liter | 10.6 | • | 2.0 |
| | | | Manganese | 0.008 |
| Cations | mg/L | meq/L | Copper | <0.02 |
| | | • : | Zinc | 0.09 |
| Sodium | 38 | 1.7 | Surfactants (MBAS) | <0.1 |
| Potassium | 4.4 | · · | Filterable Residue (TDS) | 550 |
| Calcium (EDTA Titration) | 130 j | • | Sp. Conductance, umhos/cm | 950 |
| Magnesium | 27 | · | pH, units | 7.5 |
| Total Milliequivalents per | Liter | 10.5 | | |

^{*} Conforms to Title 22, California Administrative Code

ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-(

LOG NO: P89-02-095

Received: 06 FEB 89 Reported: 17 FEB 89

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 8

Log Number: 89-02-095-2 General Mineral Analysis Sample Description: 4909F Sampled Date 06 FBB 89 mg/L meq/L Determination ______ Nitrate (as NO3) | 35 | 0.56 | Hydroxide Alk (as CaCO3)
Chloride | 40 | 1.1 | Carbonate Alk (as CaCO3)
Sulfate | 70 | 1.5 | Bicarbonate Alk (as CaCO3)
Bicarbonate (as HCO3) | 430 | 7 | Ca Hardness (as CaCO3)
Carbonate (as CO3) | <0.6 | <0.02 | Mg Hardness (as CaCO3) <1 350 ----- | Total Hardness (as CaCO3) 413 Total Milliequivalents per Liter | 10.2 | Iron 0.46 ----- | Manganese <0.005 mg/L meq/L | Copper <0.02 Cations ----- | Zinc 0.10 Sodium | 52 | 2.3 | Surfactants (MBAS)
Potassium | 5.0 | 0.13 | Filterable Residue (TDS)
Calcium (EDTA Titration) | 130 | 6.5 | Sp. Conductance, umhos/cm
Magnesium | 23 | 1.9 | pH, units <0.1 620 1000 ______ Total Milliequivalents per Liter | 10.8 |

Jeffrey A. Erion, Laboratory Manager

^{*} Conforms to Title 22, California Administrative Code



ANALYTICAL REPOR

75

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 79

LOG NO: P88-11-140

Received: 09 NOV 88 Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS Page 1 LOG NO SAMPLE DESCRIPTION, GROUND WATER SAMPLES 11-140-1 4899 11-140-2 09 NOV 88 4909C 09 NOV 88 PARAMETER 11-140-1 11-140-2 Chemical Oxygen Demand, mg/L 6 <3 Oil and Grease, mg/L 9 Fluoride, mg/L <5 Total Organic Halides (TOX), mg/L 0.2 0.2 <0.08 Aluminum, mg/L <0.08 <0.2 <0.2 Boron, mg/L 0.27 Antimony, mg/L 0.37 < 0.3 < 0.3 Arsenic, mg/L <0.002 <0.002 Barium, mg/L 0.16 Beryllium, mg/L 0.28 <0.001 < 0.001 Cadmium, mg/L <0.001 <0.001 Chromium, mg/L <0.04 Cobalt, mg/L <0.04 <0.04 Lead, mg/L <0.04 <0.002 < 0.002 Mercury, mg/L <0.0008 Molybdenum, mg/L <0.0008 <0.2 Nickel, mg/L <0.2 <0.04 <0.04 Selenium, mg/L <0.004 < 0.004 Silver, mg/L <0.02 Thallium, mg/L <0.02 <0.2 Vanadium, mg/L <0.2

<0.03

<0.03



ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795-

LOG NO: P88-11-140

Received: 09 NOV 88 Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND | WATER SAMPLES | DA | TE SAMPLED |
|----------------------|----------------------------|---------------|----------|------------------------|
| 11-140-1 11-140-2 | 4909C | | | 09 NOV 88 09 NOV 88 |
| PARAMETER | | 11-140-1 | 11-140-2 | |
| B/N, A Ext. P | ri.Poll. (EPA-625) | | ••••• | |
| Date Extra | icted | 11/15/88 | 11/15/88 | |
| Date Analy | zed | 11/18/88 | 11/18/88 | |
| Dilution F | actor, Times 1 | 1 | 1 | |
| 1,2,4-Tric | hlorobenzene, ug/L | <10 | <10 | |
| | robenzene, ug/L | <10 | <10 | |
| 1,2-Diphen | ylhydrazine, ug/L | <10 | <10 | |
| 1,3-Dichlo | robenzene, ug/L | <10 | <10 | |
| 1,4-Dichlo | robenzene, ug/L | <10 | <10 | |
| | hlorophenol, ug/L | <10 | <10 | |
| 2,4-Dichlo | rophenol, ug/L | <10 | <10 | |
| | ylphenol, ug/L | <10 | <10 | |
| | otoluene, ug/L | <10 | <10 | |
| | ophenol, ug/L | <25 | <25 | |
| • | otoluene, ug/L | <10 | <10 | |
| | phthalene, ug/L | <10 | <10 | |
| | phthalene, ug/L | <10 | <10 | |
| | henol, ug/L | <10 | <10 | |
| 2-Nitrophe | | <10 | <10 | • |
| | line, ug/L | <50 | <50 | |
| | hlorophenol, ug/L | <10 | <10 | |
| 2-Chloroph | | <10 | <10 | |
| | ,6-dinitrophenol, ug/L | <50 | <50 | |
| | orobenzidine, ug/L | <10 | <10 | |



ANALYTICAL REPOR

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 75

LOG NO: P88-11-140

Received: 09 NOV 88 Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER SA | MPLES | DA | TE SAMPLED |
|----------------------|-------------------------------------|----------|----------|------------------------|
| 11-140-1 11-140-2 | 4899 4909C | | | 09 NOV 88 09 NOV 88 |
| PARAMETER | | 11-140-1 | 11-140-2 | |
| 3-Nitroani | line, ug/L | <50 | <50 | |
| 4-Bromophe | nylphenylether, ug/L | <10 | <10 | |
| 4-Chloro-3 | -methylphenol, ug/L | <10 | <10 | |
| 4-Chloroph | enylphenylether, ug/L | <10 | <10 | |
| 4-Chloroan | iline, ug/L | <20 | <20 | |
| 4-Methyl P | henol, ug/L | <10 | <10 | |
| 4-Nitrophe | nol, ug/L | <25 | <25 | |
| 4-Nitroani | line, ug/L | <50 | <50 | |
| Acenaphthe | | <10 | <10 | |
| Acenaphthy | | <10 | <10 | |
| Aniline, u | • | <20 | <20 | |
| Anthracene | | <10 | <10 | |
| Bis(2-ethy. | lhexyl)phthalate, ug/L | <10 | <10 | |
| Benzidine, | | <40 | <40 | |
| Benzoic Aci | | <50 | <50 | |
| Benzyl Alco | ohol, ug/L | <20 | <20 | |
| Bis(2-chlor | coethyl) Ether, ug/L | <10 | <10 | |
| Bis(2-Chlor | coisopropyl)ether, ug/L | <10 | <10 | |
| Bis(2-chlor | coethoxy)methane, ug/L | <10 | <10 | |
| Benzo(a)ant | hracene, ug/L | <10 | <10 | |
| Benzo(a)pyr | rene, ug/L | <10 | <10 | |
| penzo(b)flu | oranthene, ug/L | <10 | <10 | • |
| penzo(g,h,i |)perylene, ug/L | <10 | <10 | |
| penzo(k)flu | oranthene, ug/L | <10 | <10 | |



ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795

LOG NO: P88-11-140

Received: 09 NOV 88 Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER SAI | APLES | DAT | E SAMPLED |
|----------------------|--------------------------------------|----------|----------|------------------------|
| 11-140-1 11-140-2 | 4909C | | | 09 NOV 88 09 NOV 88 |
| PARAMETER | | 11-140-1 | 11-140-2 | |
| | 3 1 sh 3 sa sa / [| <10 | <10 | |
| | ylphthalate, ug/L | <10 | <10 | |
| Chrysene, | | <10 | <10 | |
| | lphthalate, ug/L | <10 | <10 | |
| Dibenzo(a | ,h)anthracene, ug/L | <50 | <50 | |
| Dibutylph | thalate, ug/L | <10 | <10 | |
| Diethylph | thalate, ug/L | ⟨25 | <25 | |
| | hthalate, ug/L | <10 | <10 | |
| Dibenzofu | | <10 | <10 | |
| Fluorene, | | <10 | <10 | |
| Fluoranth | | <10 | <10 | |
| | obenzene, ug/L | <10 | <10 | |
| Hexachlor | obutadiene, ug/L | <10 | <10 | |
| | ocyclopentadiene, ug/L | <10 | <10 | |
| | oethane, ug/L | <10 | <10 | |
| | 2,3-c,d)Pyrene, ug/L | <10 | <10 | |
| Isophoron | e, ug/L | <40 | <40 | |
| N-Nitroso | di-n-propylamine, ug/L | <80 | <80 | |
| | dimethylamine, ug/L | <10 | <10 | |
| | diphenylamine, ug/L | <10 | <10 | · |
| Naphthale | ne, ug/L | <10 | <10 | |
| | ene, ug/L | <10 | <10 | |
| | rophenol, ug/L | <10 | <10 | |
| Phenanthr | rene, ug/L | <10 | <10 | |
| Phenol, u | ng/L | | ~10 | |



ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 79F 75

LOG NO: P88-11-140

Received: 09 NOV 88

Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER SAMPLES | D.A | TE SAMPLED |
|----------------------|--|----------|------------------------|
| 11-140-1 11-140-2 | 4899 4909C | | 09 NOV 88 09 NOV 88 |
| PARAMETER | 11-140-1 | 11-140-2 | |
| Pyrene, ug. | /L <10 | <10 | |



ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 795

LOG NO: P88-11-140

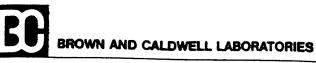
Received: 09 NOV 88 Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| | | or manifical Reso | | | Page 6 |
|----------------------------|--|----------------------|----------|----------|-------------|
| LOG NO | SAMPLE DESCRIPTION, | GROUND WATER SAMPLES | | DA | ATE SAMPLED |
| 11-140-1 | 4899 | | | | |
| 11-140-2 | | | | | 09 NOV 88 |
| | | | | | 09 NOV 88 |
| PARAMETER | | | | | |
| Vol.Pri.Pol | .l. (EPA-624) | | | | |
| Date Analy | zed | | | | |
| Dilution R | actor, Times 1 | | 11/21/88 | 11/21/88 | |
| 1.1.1-Tric | hloroethane, ug/L | | , 1 | 1 | 1 |
| 1.1.2.2-Te | trachloroethane, ug/1 | • | <1 | <1 | , |
| 1.1.2-Tric | hloroethane, ug/L | L | <1 | <1 | |
| 1.1-Dichlor | roethane, ug/L | | <1 | <1 | |
| 1.1-Dichlor | roethylene, ug/L | | <1 | <1 | |
| 1.2-Dichlor | roethylene, ug/L | | <1 | <1 | |
| 1.2-Dichlor | robenzene, ug/L | | <1 | <1 | |
| 1.2-Dichlor | ropropane, ug/L | | <1 | <1 | |
| 1.3-Dichlor | robenzene, ug/L | , | <1 | <1 | |
| cie-1 3-Dic | blomanne de la la la la la la la la la la la la la | | <1 | <1 | |
| 1.4-Dichlor | chloropropene, ug/L cobenzene, ug/L | | <1 | <1 | |
| 2-Chloroeth | nylvinylether, ug/L | | <1 | <1 | |
| 2-Hexanone, | yrvingretner, ug/L | | <1 | <1 | |
| Acetone, ug | | | <1 | <1 | |
| Acrolein, u | | | <10 | <10 | |
| Acruloniani | 18/ L | | <10 | <10 | |
| Acrylonitri Bromodiahla | ie, ug/L | | <10 | <10 | |
| Bromomother | romethane, ug/L | | <1 | <1 | |
| Bromomethan | e, ug/L | | <1 | <1 | |
| Benzene, ug | /L | | <1 | <1 | |
| Chlorobenze | ne, ug/L | | <1 | <1 | |
| Carbon letra | achloride, ug/L | | <1 | <1 | |



ANALYTICAL REPORT

'n,

373 SOUTH FAIR OAKS AVENUE, PASADENA, CA 91105 (818) 795-7553 (213) 681-4655

FAX: (818) 79!

LOG NO: P88-11-140

Received: 09 NOV 88 Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER | SAMPLES | DATE SAMPLED |
|--|--|-----------------|--|
| 11-140-1 11-140-2 | 4899 4909C | | 09 NOV 88 09 NOV 88 |
| PARAMETER | • | | 11-140-2 |
| Carbon Dis Dibromochi Ethylbenze Freon 113 Methyl Iso Methyl Eth Methylene Tetrachlor Styrene, u Trichlorof Trichlorof Toluene, u Vinyl Acet | , ug/L m, ug/L hane, ug/L sulfide, ug/L loromethane, ug/L ene, ug/L , ug/L obutyl Ketone, ug/L hyl Ketone, ug/L Chloride, ug/L roethylene, ug/L ethylene, ug/L fluoromethane, ug/L | | <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 < |
| Total Xyle | ene Isomers, ug/L -Dichloroethylene, ug/L -Dichloropropene, ug/L | <10 <1 <1 | <10 <1 <1 |

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FAX: (818) 795

LOG NO: P88-11-140

Received: 09 NOV 88 Reported: 29 NOV 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| Log Number: 88-11-140-1 Sample Description: 4899 | | | General Mineral Sampled Date (| Analysi 09 NOV 8 |
|--|-------------------------------|----------------------------|--|------------------------------------|
| Anions | mg/L | meq/L | Determination | mg/ |
| Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) | 30 27 52 290 <0.6 | 0.76 1.1 4.8 | Hydroxide Alk (as CaCO3) Carbonate Alk (as CaCO3) Bicarbonate Alk (as CaCO3) Ca Hardness (as CaCO3) Mg Hardness (as CaCO3) | < < 241 31 |
| Total Milliequivalents per | Liter | 7.2 | Total Hardness (as CaCO3) | 290 0.1 |
| Cations | mg/L | meq/L | Copper | <0.00! <0.0: |
| Sodium Potassium Calcium (EDTA Titration) Magnesium | 36 4.0 92 16 | 0.1 4.6 | Zinc Surfactants (MBAS) Filterable Residue (TDS) Sp. Conductance, umhos/cm pH, units | <0.01 <0.1 42(68(7.8 |
| Total Milliequivalents per | Liter | 7.6 | | |

^{*} Conforms to Title 22, California Administrative Code

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LOG NO: P88-11-140

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Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 9

| Log Number: 88-11-140-2 Sample Description: 4909C | | | General Mineral Sampled Date (| |
|--|--|------------------------|--|-------------------------------|
| Anions | mg/L | meq/L | Determination | mg/ |
| Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) | 2.3 19 29 570 <0.6 | 0.54 0.6 9.4 | Bicarbonate Alk (as CaCO3 Ca Hardness (as CaCO3) Mg Hardness (as CaCO3) | 47 2 .3 |
| Total Milliequivalents per 1 | Liter | 10.6 | Total Hardness (as CaCO3) Iron Manganese | 45 0.1 |
| Cations | mg/L | meq/L | Copper | <0.00 |
| Sodium Potassium Calcium (EDTA Titration) Magnesium | 46 5.3 130 31 | | Zinc Surfactants (MBAS) Filterable Residue (TDS) Sp. Conductance, umhos/cm pH, units | <0.0 <0. 54 95 7. |
| Total Milliequivalents per L | iter | 11.2 | * | |

^{*} Conforms to Title 22, California Administrative Code

Jeffrey Aff Brion, Laboratory Manager

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 . (818) 795-7553

LOG NO: P88-11-232

Received: 15 NOV 88 Reported: 06 DEC 88

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Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO SAMPLE DESCRIPTION, GROUND WATER SAM | PLES | DATE SAMPLED |
|---|-----------|--------------|
| 11-232-1 4909F | | 15 NOV 88 |
| PARAMETER | 11-232-1 | |
| Chemical Oxygen Demand, mg/L | 20 | |
| Oil and Grease, mg/L Fluoride, mg/L | <5 0.2 | |
| Total Organic Halides (TOX), mg/L | <0.08 | 1 |
| Aluminum, mg/L | <0.2 | |
| Boron, mg/L | 0.32 | |
| Silicon, mg/L | 11 | |
| Antimony, mg/L | 0.4 | |
| Arsenic, mg/L | <0.002 | |
| Barium, mg/L | 0.24 | |
| Beryllium, mg/L | 0.001 | |
| Cadmium, mg/L | <0.001 | |
| Chromium, mg/L | <0.04 | |
| Cobalt, mg/L | <0.04 | |
| Lead, mg/L | <0.002 | |
| Mercury, mg/L | <0.0008 | |
| Molybdenum, mg/L | <0.2 | |
| Nickel, mg/L | <0.04 | |
| Selenium, mg/L | <0.004 | |
| Silver, mg/L | <0.02 | |
| Thallium, mg/L | <0.2 | |
| Vanadium, mg/L | <0.03 | |

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Received: 15 NOV 88 Reported: 06 DEC 88

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Project: 58-7057

| REPORT OF ANALYTICAL RES | | TICAL RESULTS | Page 2 |
|--------------------------|------------------------------------|---------------|--------------|
| LOG NO | SAMPLE DESCRIPTION, GROUND WATE | R SAMPLES | DATE SAMPLED |
| 11-232-1 | 4909F | | 15 NOV 90 |
| PARAMETER | | 11 222 1 | |
| | Pri.Poll. (EPA-625) | | ••••• |
| Date Extr | | 11/21/88 | |
| Date Anal | | 11/29/88 | |
| | Factor, Times 1 | 1 | |
| | chlorobenzene, ug/L | <10 | |
| 1,2-Dich1 | orobenzene, ug/L | <10 | |
| 1,2-Dipne | nylhydrazine, ug/L | <10 | |
| 1,3-D1Cn1 | orobenzene, ug/L | <10 | |
| | orobenzene, ug/L | <10 | |
| 2,4,0-1F10 2 / Dtable | chlorophenol, ug/L | <10 | |
| | orophenol, ug/L hylphenol, ug/L | <10 | |
| 2,4-Dimeti | rotoluene, ug/L | <10 | |
| 2.4-Dinit | rophenol, ug/L | <10 | |
| 2.6-Dinit | rotoluene, ug/L | <25 | |
| 2-Chlorona | aphthalene, ug/L | <10 <10 | |
| 2-Methylna | aphthalene, ug/L | <10 | |
| 2-Methyl E | Phenol, ug/L | <10 | |
| 2-Nitrophe | | <10 | • |
| | lline, ug/L | <50 | |
| 2,4,5-Tric | chlorophenol, ug/L | <10 | |
| 2-Chloroph | nenol, ug/L | <10 | |
| | ,6-dinitrophenol, ug/L | <50 | · |
| 3,3'-Dichl | lorobenzidine, ug/L | <10 | |
| | lline, ug/L | <50 | |

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LOG NO: P88-11-232

Received: 15 NOV 88 Reported: 06 DEC 88

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Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO SAMPLE DESCRIPTION, GROUND WATER SAM | | DATE SAMPLED |
|--|---|--------------|
| 11-232-1 4909F | | 15 NOV 88 |
| PARAMETER | 11-232-1 | |
| 4-Bromophenylphenylether, ug/L 4-Chloro-3-methylphenol, ug/L 4-Chlorophenylphenylether, ug/L 4-Chloroaniline, ug/L 4-Methyl Phenol, ug/L 4-Nitrophenol, ug/L 4-Nitroaniline, ug/L Acenaphthene, ug/L Aniline, ug/L Aniline, ug/L Bis(2-ethylhexyl)phthalate, ug/L Benzoic Acid, ug/L Benzyl Alcohol, ug/L Bis(2-chloroethyl) Ether, ug/L | <10 <10 <10 <20 <10 <25 <50 <10 <20 <10 <20 <10 <20 <10 <10 <10 <10 <40 <50 <20 <10 | |
| Bis(2-Chloroisopropyl)ether, ug/L Bis(2-chloroethoxy)methane, ug/L Benzo(a)anthracene, ug/L Benzo(a)pyrene, ug/L Benzo(b)fluoranthene, ug/L Benzo(g,h,i)perylene, ug/L Benzo(k)fluoranthene, ug/L Butylbenzylphthalate, ug/L Chrysene, ug/L Di-n-octylphthalate, ug/L | <10 <10 <10 <10 <10 <10 <10 <10 <10 | |

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Received: 15 NOV 88 Reported: 06 DEC 88

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Project: 58-7057

| REPORT OF AN | ALYTICAL RESULTS | Page 4 |
|--|-----------------------|--------------|
| LOG NO SAMPLE DESCRIPTION, GROUND W | ATER SAMPLES | DATE SAMPLED |
| 11-232-1 4909F | | 15 NOT 00 |
| PARAMETER | 11 222 1 | |
| Dibenzo(a,h)anthracene, ug/L | <10 | |
| Dibutylphthalate, ug/L Diethylphthalate, ug/L | <50 | |
| Dimethylphthalate, ug/L | <10 | |
| Dibenzofuran, ug/L | <25 | |
| Fluorene, ug/L | <to <10</to | |
| Fluoranthene, ug/L | <10 | |
| Hexachlorobenzene, ug/L | <10 <10 | |
| Hexachlorobutadiene, ug/L | <10 | |
| Hexachlorocyclopentadiene, ug/L | <10 | |
| Hexachloroethane, ug/L | <10 | |
| <pre>Indeno(1,2,3-c,d)Pyrene, ug/L</pre> | <10 | |
| Isophorone, ug/L | <10 | |
| N-Nitrosodi-n-propylamine, ug/L | <40 | |
| N-Nitrosodimethylamine, ug/L | <80 | |
| N-Nitrosodiphenylamine, ug/L | <10 | |
| Naphthalene, ug/L | <10 | |
| Nitrobenzene, ug/L | <10 | |
| Pentachlorophenol, ug/L | <10 | • |
| Phenanthrene, ug/L | <10 | |
| Phenol, ug/L | <10 | |
| Pyrene, ug/L | <10 | • |
| Other B/N,A Ext.Pri.Poll. (EPA-625) | | |
| Semi-Quantified Results ** | | |

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Received: 15 NOV 88 Reported: 06 DEC 88

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Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER | | DATE SAMPLED |
|------------------------|---|-----------------------|-----------------|
| 11-232-1 | 4909F | | 15 NOV 88 |
| PARAMETER | | 11-232-1 | |
| Acenaphth | ylene, ug/L | <10 | |
| ** Quanti that of t | fication based upon comparison of he nearest internal standard. | total ion count of th | e compound with |

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REPORT OF ANALYTICAL RESULTS Page 6 SAMPLE DESCRIPTION, GROUND WATER SAMPLES DATE SAMPLED ------PARAMETER 11-232-1 Vol.Pri.Poll. (EPA-624) Date Analyzed 11/23/88 Dilution Factor, Times 1 1 l, l, l-Trichloroethane, ug/L <1 1,1,2,2-Tetrachloroethane, ug/L <1 1,1,2-Trichloroethane, ug/L <1 1,1-Dichloroethane, ug/L <1 1,1-Dichloroethylene, ug/L <1 1,2-Dichloroethane, ug/L <1 1,2-Dichlorobenzene, ug/L <1 1,2-Dichloropropane, ug/L <1 1,3-Dichlorobenzene, ug/L <1 cis-1,3-Dichloropropene, ug/L <1 1,4-Dichlorobenzene, ug/L <1 2-Chloroethylvinylether, ug/L <1 2-Hexanone, ug/L <1 Acetone, ug/L <10 Acrolein, ug/L <10 Acrylonitrile, ug/L <10 Bromodichloromethane, ug/L <1 Bromomethane, ug/L <1 Benzene, ug/L <1 Chlorobenzene, ug/L <1 Carbon Tetrachloride, ug/L <1 Chloroethane, ug/L

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LOG NO: P88-11-232

Received: 15 NOV 88 Reported: 06 DEC 88

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Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO SAMP | LE DESCRIPTION, GROUND WAT | ER SAMPLES | DATE SAMPLED |
|---|--|--|--------------|
| 11-232-1 4909 | | | 15 NOV 88 |
| PARAMETER | | 11-232-1 | 0 |
| Bromoform, ug/L Chloroform, ug/L Chloroform, ug/Chloromethane, Carbon Disulfid Dibromochlorome Ethylbenzene, ug/L Methyl Isobutyl Methyl Isobutyl Methyl Ethyl Ke Methylene Chloroforthylene, ug/L Trichloroethylene Trichlorofluorom Toluene, ug/L Vinyl Acetate, to Vinyl Chloride, | L ug/L ug/L e, ug/L thane, ug/L g/L Ketone, ug/L tone, ug/L ide, ug/L lene, ug/L ne, ug/L nethane, ug/L ug/L ug/L | <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 < | |
| Total Xylene Iso trans-1,2-Dichlo trans-1,3-Dichlo | roethylene, ug/L | <10 <1 <1 | |

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Received: 15 NOV 88 Reported: 06 DEC 88

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Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 8

| Log Number: 88-11-232-1 Sample Description: 4909F | | | General Mineral Sampled Date | |
|---|-------------------------------|--|--|------------------------------------|
| Anions | mg/L | meq/L | Determination | mg/L |
| Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) Total Milliequivalents per | 67 39 70 410 <0.6 | 1.1 1.5 6.8 <0.02 | | <1 <1 110 460 <0.02 |
| Cations | mg/L | meq/L | | <0.005 <0.02 |
| Sodium Potassium Calcium (EDTA Titration) Magnesium | 58 6.2 140 26 | 2.5 0.16 7 | Zinc Surfactants (MBAS) Filterable Residue (TDS) Sp. Conductance, umhos/cm pH, units | 0.08 <0.1 630 1000 7.8 |
| Total Milliequivalents per | Liter | 11.8 | | |

* Conforms to Title 22, California Administrative Code

Jeffre A. Erion, Laboratory Manager



373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 • (818) 795-7553 • FAX (818) 795-8579

LOG NO: P88-08-222

Received: 10 AUG 88 Reported: 08 SEP 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO SAMPLE | DESCRIPTION, GROUND WATER | R SAMPLES | D | ATE SAMPLED |
|--|--|--|---|---|
| 08-222-1 4909 C 08-222-2 4909 F 08-222-3 4899 | | | | 10 AUG 88 10 AUG 88 10 AUG 88 |
| PARAMETER | | 08-222-1 | 08-222-2 | 08-222-3 |
| Nitrate (as NO3), Chemical Oxygen De Non-filterable Res Oil and Grease, mg Volatile Suspended Fluoride, mg/L Total Organic Halid Aluminum, mg/L Boron, mg/L Antimony, mg/L Arsenic, mg/L Barium, mg/L Cadmium, mg/L Cadmium, mg/L Chromium, mg/L Chromium, mg/L Lead, mg/L Mercury, mg/L Molybdenum, mg/L Nickel, mg/L | mand, mg/L idue (TSS), mg/L /L Solids, mg/L | 0.8 <3 <5 <5 <6 0.2 <0.08 <0.2 0.48 <0.3 <0.002 0.27 <0.001 <0.001 <0.004 0.04 0.04 <0.002 0.002 0.0010 <0.002 | 73 <3 10 <5 0.2 <0.08 <0.2 0.34 <0.3 <0.002 0.21 <0.001 <0.001 <0.04 <0.04 <0.04 <0.002 <0.008 <0.2 | 21 <3 10 <5 <5 0.2 <0.08 <0.2 0.26 <0.3 <0.002 0.13 <0.001 <0.001 <0.004 <0.04 <0.002 <0.008 |
| Selenium, mg/L Silver, mg/L Thallium, mg/L Vanadium, mg/L | | <0.001 <0.2 <0.2 <0.03 | 0.001 <0.2 <0.2 <0.03 | <0.001 <0.2 <0.2 <0.03 |

ANALYTICAL REPORT

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 +(818) 795-7553 + FAX (818) 795-8579

LOG NO: P88-08-222

Received: 10 AUG 88 Reported: 08 SEP 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER | R SAMPLES | DA | TE SAMPLED |
|----------------------------------|--------------------------------------|----------------------|----------------------|-------------------------------------|
| 08-222-1 08-222-2 08-222-3 | 4909 C 4909 F 4899 | | | 10 AUG 88 10 AUG 88 10 AUG 88 |
| PARAMETER | | 00 000 1 | 08-222-2 | 08-222-3 |
| B/N, A Ext. F | Pri.Poll. (EPA-625) | | | |
| Date Extra Date Analy | zed | 08/11/88 08/18/88 | 08.19.88 08.27.88 | 08/11/8 ^r 08/19/8გ |
| Dilution F | actor, Times l hlorobenzene, ug/L | 1 | 1 | 1 |
| 1,2,4-111c | robenzene, ug/L | <10 | <1 | <10 |
| 1.2-Dinhen | ylhydrazine, ug/L | <10 | <1 | <10 |
| 1.3-Dichlo | robenzene, ug/L | <10 | <1 | <10 |
| 1.4-Dichlo | robenzene, ug/L | <10 | <1 | <10 |
| 2.4.6-Tric | hlorophenol, ug/L | <10 | <1 | <10 |
| 2,4-Dichlo | rophenol, ug/L | <10 <10 | <1 | <10 |
| 2,4-Dimeth | ylphenol, ug/L | <10 | <1 | <10 |
| 2,4-Dinitr | otoluene, ug/L | <10 | <1 | <10 |
| 2,4-Dinitre | ophenol, ug/L | <25 | <1 <10 | <10 |
| 2,6-Dinitro | otoluene, -ug/L | <10 | <10 <1 | <25 |
| 2-Chlorona | ohthalene, ug/L | <10 <10 | <1 <1 | <10 <10 |
| 2-Methylnar | ohthalene, ug/L | <10 | <1 <1 | <10 |
| 2-Methyl Ph | enol, ug/L | <10 | <1 | <10 |
| 2-Nitrophen | | <10 | <1 <1 | <10 |
| 2-Nitroanil | ine, ug/L | <50 | < 5 | <50 |
| 2,4,5-Trich | lorophenol, ug/L | <10 | < 5 | <10 |
| 2-Chlorophe | nol, ug/L | <10 | < 1 | <10 |
| 2-Methyl-4, | 6-dinitrophenol, ug/L | <50 | ₹1 | <50 |
| 3,3'-Dichlo | robenzidine, ug/L | <10 | ₹1 | <10 |
| 3-Nitroanil | ine, ug/L | <50 | ₹5 | <50 |



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LOG NO: P88-08-222

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Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO SAMPLE DESCRIPTION, GROUND WATER SAMPLES | | DA | TE SAMPLED |
|--|---|---|--|
| 08-222-1 4909 C 08-222-2 4909 F 08-222-3 4899 | | | 10 AUG 88 10 AUG 88 10 AUG 88 |
| PARAMETER | 08-222-1 | 08-222-2 | 08-222-3 |
| 4-Bromophenylphenylether, ug/L 4-Chloro-3-methylphenol, ug/L 4-Chlorophenylphenylether, ug/L 4-Chloroaniline, ug/L 4-Methyl Phenol, ug/L 4-Nitrophenol, ug/L 4-Nitrophenol, ug/L Acenaphthene, ug/L Acenaphthylene, ug/L Aniline, ug/L Aniline, ug/L Bis(2-ethylhexyl)phthalate, ug/L Benzidine, ug/L Benzoic Acid, ug/L Benzoic Acid, ug/L Bis(2-chloroethyl) Ether, ug/L Bis(2-Chloroisopropyl)ether, ug/L Bis(2-chloroethoxy)methane, ug/L Benzo(a)anthracene, ug/L Benzo(b)fluoranthene, ug/L Benzo(g,h,i)perylene, ug/L Benzo(k)fluoranthene, ug/L Benzo(k)fluoranthene, ug/L | <pre><10 <10 <10 <20 <10 <25 <50 <10 <10 <20 <10 <10 <10 <10 <10 <10 <10 <10 <10 <1</pre> | <pre><1 <1 <1 <1 <1 <20 <5 <1 <1</pre> | <10 <10 <10 <20 <10 <25 <50 <10 <10 <20 <10 <10 <10 <10 <10 <10 <10 <10 <10 <1 |
| Butylbenzylphthalate, ug/L Chrysene, ug/L | <10 <10 | <1 <1 | <10 <10 |

ANALYTICAL REPORT

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LOG NO: P88-08-222

Received: 10 AUG 88 Reported: 08 SEP 88

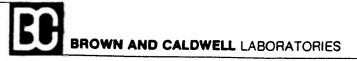
Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER | SAMPLES | DATE SAMPLED | |
|--|---|---|---|--|
| 08-222-1 08-222-2 08-222-3 | 4909 C 4909 F 4899 | | •••••• | 10 AUG 88 10 AUG 88 10 AUG 88 |
| PARAMETER | | 08-222-1 | 08-222-2 | 08-222-3 |
| Dibenzo(a, Dibutylpht Diethylpht Dimethylph Dibenzofur Fluorene, Fluoranthe Hexachloro Hexachloro Hexachloro Indeno(1,2 Isophorone N-Nitrosodi N-Nitrosodi Naphthalene Nitrobenzen | phthalate, ug/L h)anthracene, ug/L chalate, ug/L chalate, ug/L chalate, ug/L cthalate, ug/L an, ug/L ug/L ne, ug/L benzene, ug/L butadiene, ug/L cyclopentadiene, ug/L ethane, ug/L ,3-c,d)Pyrene, ug/L i-n-propylamine, ug/L imethylamine, ug/L iphenylamine, ug/L c, ug/L | <10 <10 <50 <10 <25 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 | <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1< | <10 <1' <5 <10 <25 <10 <10 <10 <10 <10 <10 <10 <10 <10 <10 |
| Phenanthren | e, ug/L | <10 <10 | <1 <1 | <10 <10 |
| Phenol, ug/ Pyrene, ug/ | | <10 <10 | <1 <1 | <10 <10 |





373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 + (818) 795-7553 + FAX (818) 795-8579

LOG NO: P88-08-222

Received: 10 AUG 88 Reported: 08 SEP 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, | GROUND WATER SAMPLES | | DA | TE SAMPLED |
|---|--|----------------------|---|---|---|
| 08-222-1 08-222-2 08-222-3 | 4909 C 4909 F 4899 | | | | 10 AUG 88 10 AUG 88 10 AUG 88 |
| PARAMETER | | | 08-222-1 | 08-222-2 | 08-222-3 |
| Vol.Pri.Pol Date Analy Dilution F 1,1,1-Tric 1,1,2,2-Te 1,1,2-Tric 1,1-Dichlo 1,2-Dichlo 1,2-Dichlo 1,3-Dichlo 1,3-Dichlo 2-Chloroetl 2-Hexanone, Acetone, ug Acrolein, u | actor, Times 1 hloroethane, ug/L trachloroethane, ug/L hloroethane, ug/L roethane, ug/L roethane, ug/L roethane, ug/L robenzene, ug/L robenzene, ug/L chloropropene, ug/L robenzene, ug/L chloropropene, ug/L hylvinylether, ug/L ig/L ig/L ig/L ig/L ig/L ig/L ig/L i | | 08-222-1 08/23/88 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 < | 08-222-2 08/23/88 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 < | 08-222-3 08/23/88 1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 < |
| | achloride, ug/L | | <1 <1 | <1 <1 <1 | <1 <1 <1 |

ANALYTICAL REPORT

373 SOUTH FAIR CAKS AVENUE PASADENA, CA 91105 + (818) 795-7553 + FAX (818) 795-8579

LOG NO: P88-08-222

Received: 10 AUG 88 Reported: 08 SEP 88

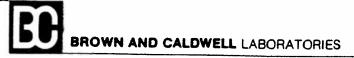
Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| LOG NO | SAMPLE DESCRIPTION, GROUND WATER SAMPLES | ·. | DA | TE SAMPLED |
|--|---|---|---|---|
| 08-222-1 08-222-2 08-222-3 | 4909 C 4909 F 4899 | | | 10 AUG 88 10 AUG 88 10 AUG 88 |
| PARAMETER | | 08-222-1 | 08-222-2 | 08-222-3 |
| Dibromochlo Ethylbenzer Freon 113, Methyl Isob Methyl Ethy Methylene O Tetrachloro Styrene, ug Trichloroet Trichlorofl Toluene, ug Vinyl Aceta Vinyl Chlor | y ug/L ane, ug/L ulfide, ug/L promethane, ug/L ug/L ug/L putyl Ketone, ug/L chloride, ug/L chloride, ug/L chlylene, ug/L | <1 <1 <1 <1 <1 <1 <10 <1 <1 <1 <1 <1 <1 <1 <1 | <1 2 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 <1 | <10 <10 <11 <10 <11 <11 <11 <11 <11 <11 |
| trans-1,2-D | e Isomers, ug/L ichloroethylene, ug/L ichloropropene, ug/L | <10 <1 <1 | <10 <1 <1 | <10 <1 <1 |





373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 (818) 795-7553 (818) 795-8579

LOG NO: P88-08-222

Received: 10 AUG 88 Reported: 08 SEP 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| Log Number: 88-08-222-1 Sample Description: 4909 C | | | General Mineral Sampled Date | |
|---|--------------------------------|-------------------------|--|---|
| Anions | mg/L | meq/L | Determination | mg/L |
| Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) Total Milliequivalents per | 0.8 17 30 520 <0.6 | 8.6 ¦ | (| <1 <1 430 2 0 390 1.3 |
| Cations | mg/L | meq/L | Manganese Copper | <0.005 <0.02 |
| Sodium Potassium Calcium (EDTA Titration) Magnesium | 44 4.8 120 22 | 1.9 0.12 6 1.8 | Zinc Surfactants (MBAS) Filterable Residue (TDS) Sp. Conductance, umhos/cm pH, units | 0.04 <0.1 330 570 7.6 |
| Total Milliequivalents per | Liter ¦ | 9.8 ¦ | | |

^{*} Conforms to Title 22, California Administrative Code

373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 +(818) 795-7553 + FAX (818) 795-8579

LOG NO: P88-08-222

Received: 10 AUG 88 Reported: 08 SEP 88

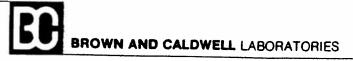
Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

| Log Number: 88-08-222-2 Sample Description: 4909 F | | | General Mineral Sampled Date | Analysis |
|--|---------------------------------------|-----------------------|--|-------------------------------------|
| Anions | mg/L | meq/L | Determination | mg/L |
| Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) | 73 40 75 390 <0.6 | 6.4 | Carbonate Alk (as CaCO3) Bicarb Alk (as CaCO3) Ca Hardness (as CaCO3) Mg Hardness (as CaCO3) | <1 <1 320 50 ₹9 |
| Total Milliequivalents per I | Liter | 10.3 | Total Hardness (as CaCO3) Iron | 449 0.49 |
| Cations | mg/L | meq/L | Manganese Copper | <0.005 <0.02 |
| Sodium Potassium Calcium (EDTA Titration) Magnesium | 48 5.3 140 24 | 2.1 0.14 7 2 | Zinc Surfactants (MBAS) Filterable Residue (TDS) Sp. Conductance, umhos/cm pH, units | <0.03 <0.1 630 1000 7.5 |
| Total Milliequivalents per L | iter ¦ | 11.2 | | |

^{*} Conforms to Title 22, California Administrative Code



373 SOUTH FAIR OAKS AVENUE PASADENA, CA 91105 +(818) 795-7553 +FAX (818) 795-8579

LOG NO: P88-08-222

Received: 10 AUG 88 Reported: 08 SEP 88

Alice Campbell Law Environmental 3420 N. San Fernando Rd., Suite 200 Burbank, CA 91504

Project: 58-7057

REPORT OF ANALYTICAL RESULTS

Page 9

| Log Number: 88-08-222-3 Sample Description: 4899 | | | General Mineral Sampled Date | |
|--|-------------------------------|--------------------------------------|--|--|
| Anions | mg/L | meq/L | Determination | mg/L |
| Nitrate (as NO3) Chloride Sulfate Bicarbonate (as HCO3) Carbonate (as CO3) Total Milliequivalents per L | 21 26 44 290 <0.6 | 0.34 0.73 0.92 4.8 <0.02 | Ca Hardness (as CaCO3) Mg Hardness (as CaCO3) Total Hardness (as CaCO3) Iron | <1 <1 240 0 28 288 1.1 |
| Cations | mg/L | meq/L | Manganese Copper | 0.008 <0.02 |
| Sodium Potassium Calcium (EDTA Titration) Magnesium | 31 3.1 93 14 | 1.3 0.079 4.6 1.2 | Zinc Surfactants (MBAS) Filterable Residue (TDS) Sp. Conductance, umhos/cm pH, units | 0.10 <0.1 390 670 7.6 |
| Total Milliequivalents per L | iter | 7.2 | | |

* Conforms to Title 22, California Administrative Code

Jeffrey A. Brion, Laboratory Manager

APPENDIX B GROUND WATER VELOCITY CALCULATION



| JOB NO 58 -7057 | SHEET_ | OF | |
|-----------------|--------|----------|--|
| JOB NAME Hewith | SWAT | Supp. | |
| BY M4 | DATE | 06-19-89 | |
| CHECKED BY | DATE | 6-20-89 | |



LITHOLOGIC LOG LAW ENVIRONMENTAL, INC. Project No.: _ 58-7057 Well No.: Hewitt Leachate Well Page _ Depth Sample Graphic Description of Materials (feet) Interval Log Sand: small amounts of gravel; buff to tan; slightly moist; some demolition debris. Minor amount of silt. Micaceous; rock chips representative of rock in adjacent San Gabriel 70 Mountains and what is expected of native material in area. Total depth: 761 80

Remarks:



LITHOLOGIC LOG

LAW ENVIRONMENTAL, INC.

| | CalMat | | | Project No - | 58-7057 |
|-------------|--------------------------------|-------------|--|--|--|
| Location: | Hewitt La | ndfill | | Vell No. • | Hewitt Leachate Well |
| Drilled by | : Datum | Exploration | | Dage 1 of | 2 |
| rodded ph: | Steve | McArdle | | | |
| Drilling M | ethod: Air | Rotary | | Date Completed: | 04-12-88 |
| Borehole D | epth: | 76 | feet | Static Water Level: | |
| Borehole D | iameter: | 6 | inches | | |
| Casing: | 6 * | steel | | | |
| Perforation | ns: <u>bot</u> | ton 401 | | Drawdown: | Yield. |
| Ground Ele | vation: | | feet/asl | Electrical Conductance: | #icromboo |
| Top of Cas | ing Elevation: _ | | | Specific Capacity: | acm/ft |
| | Gample Graphic Interval Log | | Desc | ription of Materials | 3541 |
| | | FILL | Silt, sand, and | d gravel: no trash; tan to gray | r: slightly majer |
| 10 | | | Chips of wood metrix of silt moderately mois | common, paper and plastic no ey sand: black; small amounts st. Little or no odor. | ot seen; material in a of gravel; slightly to |
| 20 - | | | At 25', paper (up, as drilling | (including carbon paper), plass g slow and no material showing logged up bit is pulverized woo | I im in drillarte how |
| 30 | | | | : gravel amount 80% - demolitic | |
| 40 | | | | | |
| 50 | | | Increase in sand | i amount - demolition debris, n | o trash. |

APPENDIX C LEACHATE WELL LOGS

STATUS AS OF MAY 1990

(SWAT DATA REQUIREMENTS COMPLETED)

NAME - Hewitt Landfill (Closed)

OWNER - CalMat Properties

LOCATION - North Hollywood District, between the Hollywood Freeway and Laurel Canyon Blvd, and north of Sherman Way. Just southwest of the Rinaldi-Toluca well field.

GEOLOGY - Holocene and Late Pleistocene alluvium of the San Fernando Basin.

GROUND WATER FLOW DIRECTION - A little north of east.

GENERAL OPERATIONS - Operated by Los Angeles By-Products Company.

Opened to the public from 1962 to November 12, 1975. Below Elevations 555 to 560, waste was limited to solid inert materials. Above those elevations, accepted solid commercial and residential waste.

GAS CONTROL SYSTEM - Installed during the mid-70's, and about 12 years after landfilling started.

<u>VADOSE ZONE MONITORING</u> - Two Timco teflon lysimeters were installed to depths of 50 and 52 feet. Too little moisture to sample.

LEACHATE MONITORING - A leachate well drilled in the trash showed moist conditions but no free leachate.

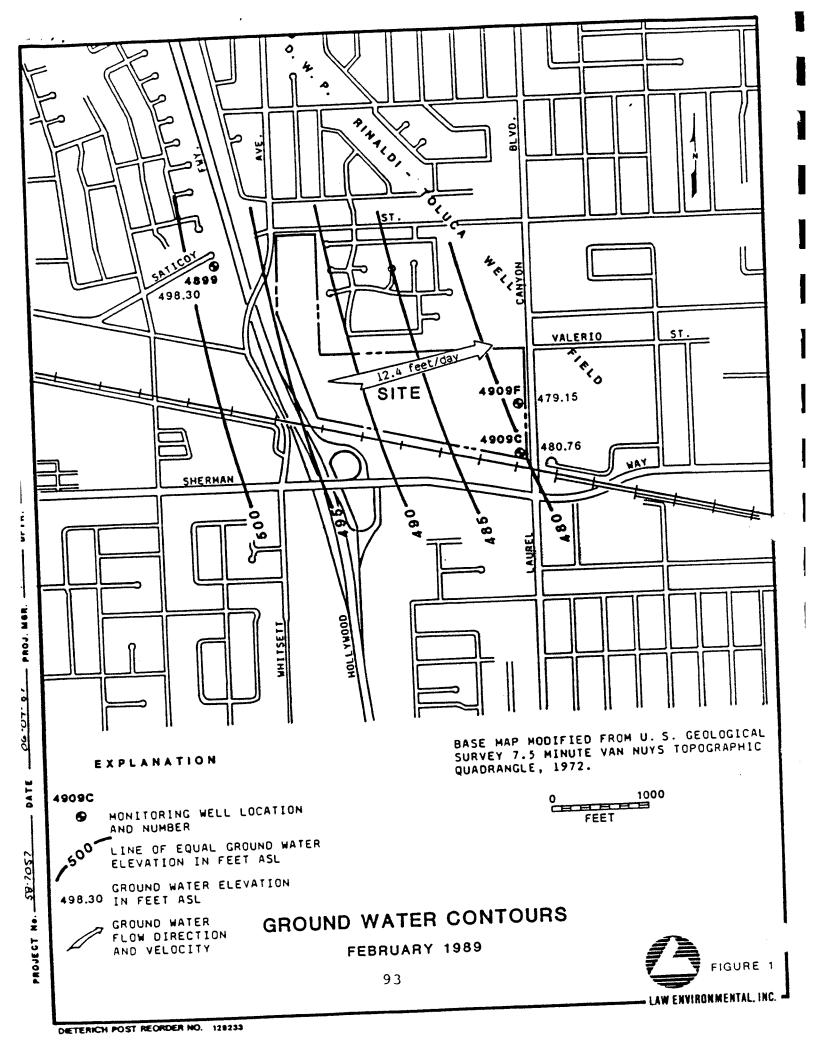
GROUND WATER QUALITY MONITORING - Has one upgradient and two down-gradient wells. Use pump with inflatable packer to sample the top 20 feet of the saturated zone. One downgradient well has four perforated zones with grout seals. Upgradient samples show TCE and PCE above action levels, and high nitrates (over 70 mg/1). These are believed to be derived from upgradient sources the plumes from which are passing under the landfill. High bicarbonates in downgradient wells may be related to gas production before the gas control system was in operation. Low chlorides indicate leachate can not be an important contributor to ground water.

REPORTS

SWAT (Rank 2) - June 6, 1988 - Law Environmental

Supplement - July 1, 1989 - Law Environmental

REGIONAL BOARD -



STATUS AS OF MAY 1991

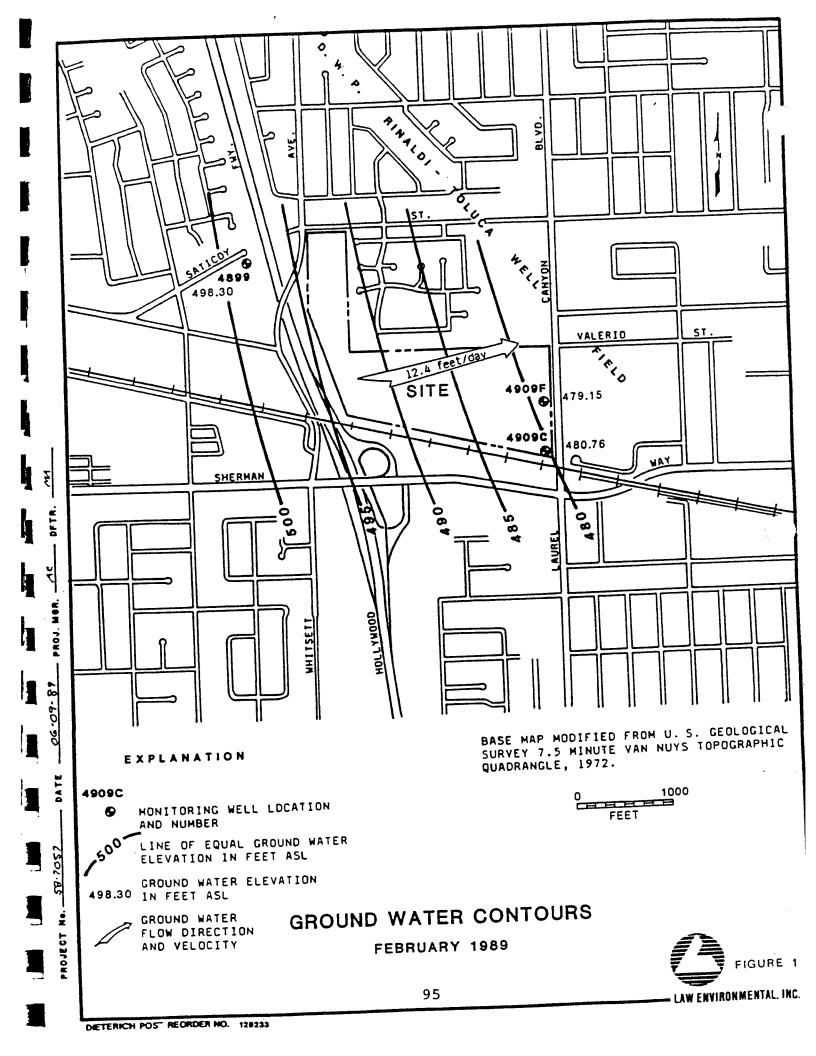
(SWAT DATA REQUIREMENTS COMPLETED)

- NAME Hewitt Landfill (Closed)
- OWNER CalMat Properties
- LOCATION North Hollywood District, between the Hollywood Freeway and Laurel Canyon Blvd, and north of Sherman Way. Just southwest of the Rinaldi-Toluca well field.
- GEOLOGY Holocene and Late Pleistocene alluvium of the San Fernando Basin.
- GROUND WATER FLOW DIRECTION A little north of east.
- GENERAL OPERATIONS Operated by Los Angeles By-Products Company.

 Opened to the public from 1962 to November 12, 1975. Below
 Elevations 555 to 560, waste was limited to solid inert
 materials. Above those elevations, accepted solid commercial
 and residential waste.
- GAS CONTROL SYSTEM Installed during the mid-70's, and about 12 years after landfilling started.
- <u>VADOSE ZONE MONITORING</u> Two Timco teflon lysimeters were installed to depths of 50 and 52 feet. Too little moisture to sample.
- LEACHATE MONITORING A leachate well drilled in the trash showed moist conditions but no free leachate.
- GROUND WATER QUALITY MONITORING Has one upgradient and two down-gradient wells. Use pump with inflatable packer to sample the top 20 feet of the saturated zone. One downgradient well has four perforated zones with grout seals. Upgradient samples show TCE and PCE above action levels, and high nitrates (over 70 mg/l). These are believed to be derived from upgradient sources the plumes from which are passing under the landfill. High bicarbonates in downgradient wells may be related to gas production before the gas control system was in operation. Low chlorides indicate leachate can not be an important contributor to ground water.

REPORTS

- SWAT (Rank 2) June 6, 1988 Law Environmental Final SWAT report July 1, 1989 Law Environmental
- REGIONAL BOARD Report is under review. Further groundwater monitoring may be required under Chapter 15.



STATUS AS OF MAY 1992

Solid Waste Assessment Test (SWAT) Data Requirements Completed

NAME OF LANDFILL - Hewitt Landfill (Closed)

OWNER - Cal Mat Properties

<u>LOCATION</u> - North Hollywood District, between the Hollywood Freeway and Laurel Canyon Boulevard, and north of Sherman Way. Just southwest of the Rinaldi-Toluca Well Field.

GEOLOGY - Holocene and Late Pleistocene alluvium of the San Fernando Basin.

GROUNDWATER FLOW DIRECTION - A little north of east.

GENERAL OPERATIONS - Operated by Los Angeles By-Products Company. Opened to the public from 1962 to November 12, 1975. Below elevations 555 to 560 feet, waste was limited to solid inert materials. Above those elevations, accepted solid commercial and residential waste.

GAS CONTROL SYSTEM - Installed during the mid-70s, and about 12 years after landfilling started.

<u>VADOSE ZONE MONITORING</u> - Two Timco Teflon Lysimeters were installed to depths of 50 nd 52 feet. Too little moisture to sample.

<u>LEACHATE CONTROL AND MONITORING</u> - A leachate well drilled in the trash showed moist conditions but no free leachate.

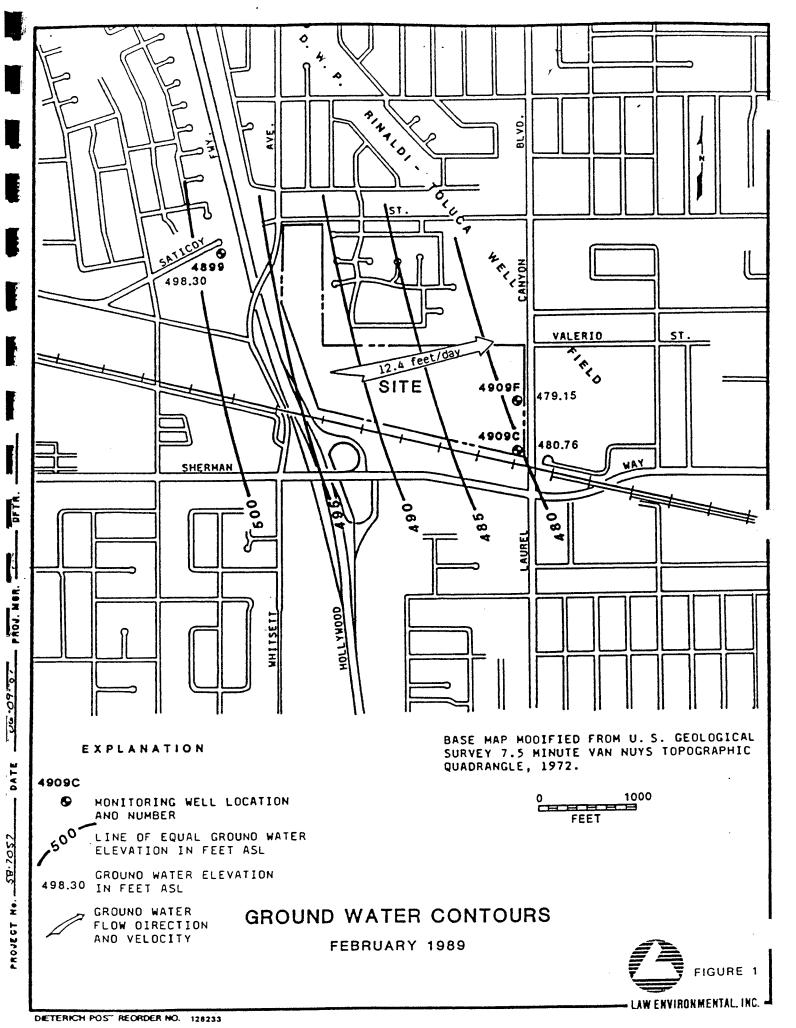
GROUNDWATER QUALITY MONITORING - Has one upgradient and two downgradient wells. Use pump with inflatable packer to sample the top 20 feet of the saturated zone. One downgradient well has four perforated zones with grout seals. Upgradient samples show trichloroethene (TCE) and tetrachloroethene (PCE) above action levels, and high nitrates (over 70 mg/1). These are believed to be derived from upgradient sources the plumes from which are passing under the landfill. High bicarbonates in downgradient wells may be related to gas production before the gas control system was in operation. Low chlorides indicate leachate can not be an important contributor to groundwater.

REPORTS -

SWAT (Rank 2) - June 6, 1988 - Law Environmental Final SWAT Report - July 1, 1989 - Law Environmental

STATUS WITH LOS ANGELES REGIONAL WATER QUALITY

<u>CONTROL BOARD</u> - Report is under review. Further groundwater monitoring may be required under Chapter 15.



STATUS AS OF MAY 1993

Solid Waste Assessment Test (SWAT) Data Requirements Completed

NAME OF LANDFILL - Hewitt Landfill (Closed)

OWNER - CalMat Properties

<u>LOCATION</u> - North Hollywood District, between the Hollywood Freeway and Laurel Canyon Boulevard, and north of Sherman Way. Just southwest of the Rinaldi-Toluca Well Field.

GEOLOGY - Holocene and Late Pleistocene alluvium of the San Fernando Basin.

GROUND WATER FLOW DIRECTION - A little north of east.

<u>GENERAL OPERATIONS</u> - Operated by Los Angeles By-Products Company. Opened to the public from 1962 to November 12, 1975. Below elevations 555 to 560 feet waste was limited to solid inert materials. Above those elevations, accepted solid commercial and residential waste.

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<u>VADOSE ZONE MONITORING</u> - Two Timco Teflon Lysimeters were installed to depths of 50 and 52 feet. Too little moisture to sample.

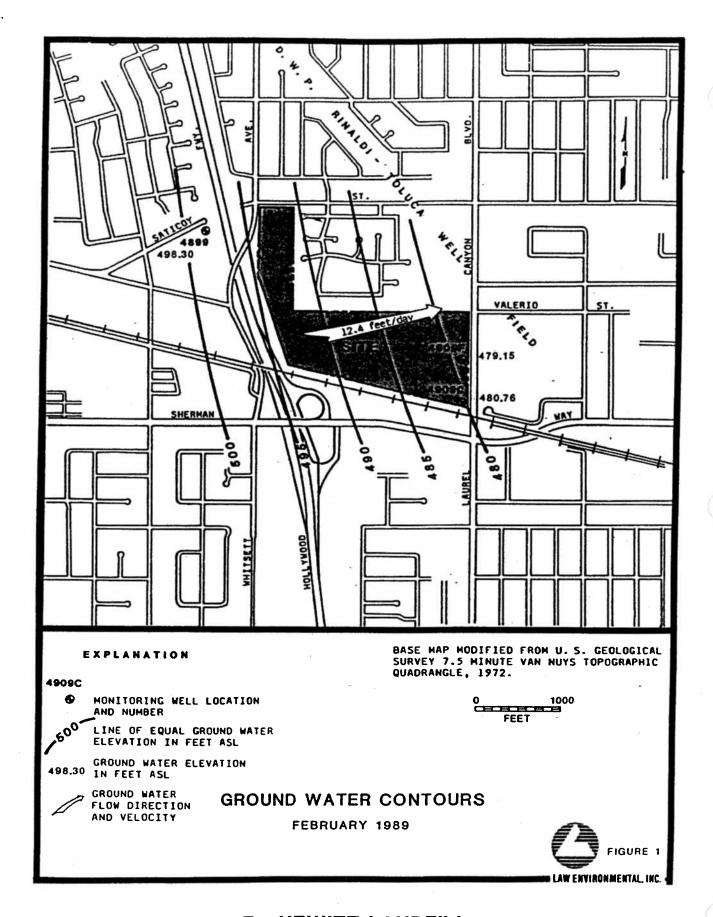
<u>LEACHATE CONTROL AND MONITORING</u> - A leachate well drilled in the trash showed moist conditions but no free leachate.

GROUND WATER QUALITY MONITORING - Has one upgradient and two downgradient wells. Use pump with inflatable packer to sample the top 20 feet of the saturated zone. One downgradient well has four perforated zones with grout seals. Upgradient samples show trichloroethylene and tetrachloroethylene above action levels, and high nitrates (over 70 mg/l). These are believed to be derived from upgradient sources, the plumes from which are passing under the landfill. High bicarbonates in downgradient wells may be related to gas production before the gas control system was in operation. Low chlorides indicate leachate cannot be an important contributor to ground water.

REPORTS -

SWAT Report (Rank 2) - June 6, 1988 - Law Environmental Final SWAT Report - July 1, 1989 - Law Environmental

STATUS WITH LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD - Approved SWAT Report May 1991. No further action required at this time.



7. HEWITT LANDFILL

STATUS AS OF MAY 1994

SWAT Completed

NAME OF LANDFILL - Hewitt Landfill (Closed)

OWNER - CalMat Properties

<u>LOCATION</u> - North Hollywood District, between the Hollywood Freeway and Laurel Canyon Boulevard, and north of Sherman Way. Just southwest of the Rinaldi-Toluca Well Field.

GEOLOGY - Holocene and Late Pleistocene alluvium of the San Fernando Basin.

GROUND WATER FLOW DIRECTION - A little north of east.

GENERAL OPERATIONS - Operated by Los Angeles By-Products Company. Opened to the public from 1962 to November 12, 1975. Below elevations 555 to 560 feet waste was limited to solid inert materials. Above those elevations, accepted solid commercial and residential waste.

GAS CONTROL SYSTEM - Installed during the mid-70s, and about 12 years after landfilling started.

<u>VADOSE ZONE MONITORING</u> - Two Timco Teflon Lysimeters were installed to depths of 50 and 52 feet. Too little moisture to sample.

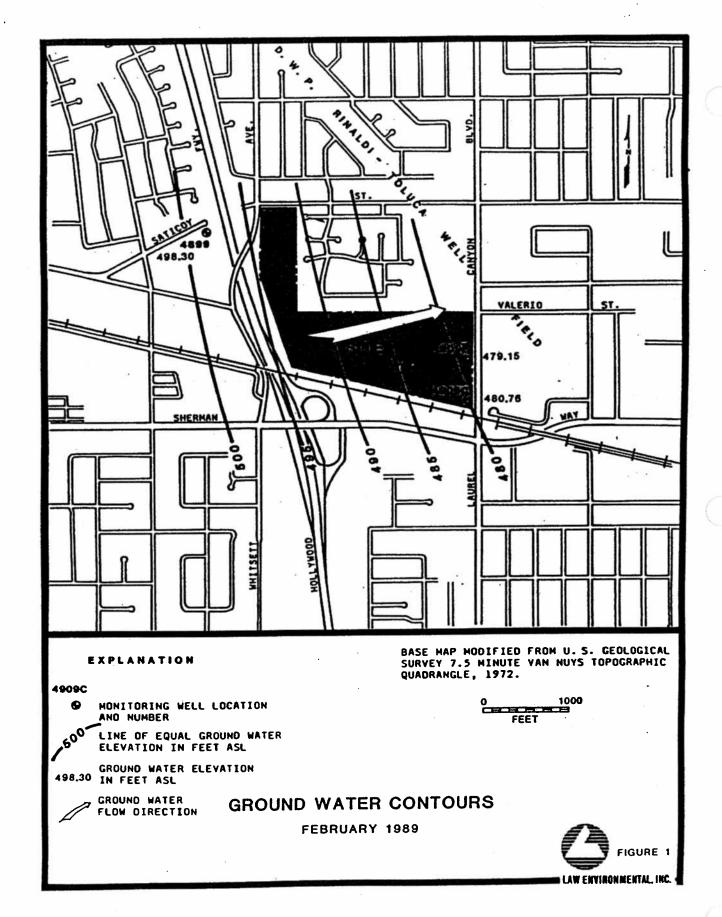
<u>LEACHATE CONTROL AND MONITORING</u> - A leachate well drilled in the trash showed moist conditions but no free leachate.

GROUND WATER QUALITY MONITORING - Has one upgradient and two downgradient wells. Use pump with inflatable packer to sample the top 20 feet of the saturated zone. One downgradient well has four perforated zones with grout seals. Upgradient samples show trichloroethylene and tetrachloroethylene above action levels, and high nitrates (over 70 mg/l). These are believed to be derived from upgradient sources, the plumes from which are passing under the landfill. High bicarbonates in downgradient wells may be related to gas production before the gas control system was in operation. Low chlorides indicate leachate cannot be an important contributor to ground water.

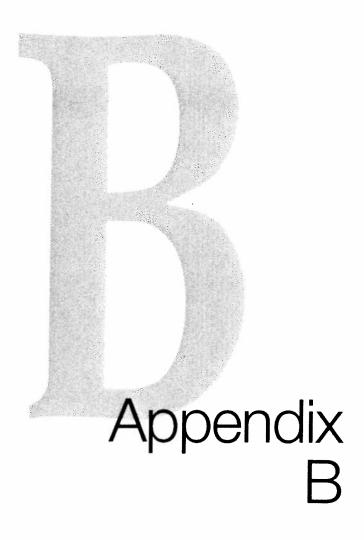
REPORTS -

SWAT Report (Rank 2) - June 6, 1988 - Law Environmental Final SWAT Report - July 1, 1989 - Law Environmental

STATUS WITH LOS ANGELES REGIONAL WATER QUALITY CONTROL BOARD - SWAT Report approved in May 1991. Non-hazardous substances were detected but were below State drinking water regulatory levels. No further monitoring will be required.



7. HEWITT LANDFILL



Appendix B Personal Communication Documentation

TELEPHONE CALL REPORT

CDM

vironmental engineers, scientists, nners, & management consultants Firm/Office: Franc

Date: 5-19-06

Job No: 22517-51079-

EPA 104

| Project: | : Vulcan- Hewitt Landfill | |
|----------|---------------------------|--|
| | | |
| | | |

Make by/Received by: _______Distribution:

Talked with: George Cosby

Date and Time: 5-19-06

George Cosby former vice president Hewitt Landfill, 37 years with 1955 Consolidated rock - Confock - ColMat - Hewitt (1963-2000)

The land settled and stormwater pooled. Cosby purchased - 500,000 yd. or soil in -1981 from the Freeway 118 project.

Methane was found in vadose zone in adjacent homes (we have data on this) SCS conducted air monitoring at landfill and at homes extracted soil vapor, by plumbing into existing flare at landfill 1st plane was no good. Purchased a 2nd one.

No chemical used at Howitt, no MSDS, no HAZWASCE Business Plan UST: LA Byproducts had one diesel ust removed by CALMAT NO septic-tank(s)

Sewer connected to LA City sewer for self storage and tenants

Stormwater drainage quite a problem at Hewitt, Stormwater runoff from nearby hills/Mtus Pladed Hewitt on numerous occassions. The flare flooded once (14-15' standing water) which once released by Hewitt flooded Hollywood freeway

A Self storage Co. Was down-drainage from Howitt. CALTRIANS built storm drain for thus self Storage co. (

CDM

TELEPHONE CALL REPORT

rvironmental engineers, scientists, vners, & management consultants Firm/Office: Trvinc

Date: 5-17-06

Job No: 27517-51079-

EPA-104

| Project: Vulcan - Hewith Landfill Storage Facility | |
|--|---------------|
| Make by/Received by: | Distribution: |
| Talked with: Steve Botsford | |
| Date and Time: 5-17-06 | |

Steve owns the storage facility that comprises ~ 5 acres of Hewitt Landfill (60 acres). Steve leases Hewitt Landfill from Vulcan and has 30 years left on lease.

Per steve:

- · NO MSDS onsite,
- No Hazardous Waste Brismess Plan because lease does not allow for storage of any hazardous materials.
- . No septic tanks on site.
- · Two hook ups to Sanitary Sower,
- · One u 300 gallon AST contains diesel,

CDM

TELEPHONE CALL REPORT

nvironmental engineers, scientists, anners, & management consultants Firm/Office: Frying

Date: 5-22-06

Job No: _____

| Project: <u>Vulcau</u> | |
|--------------------------------|---------------|
| Make by/Received by: | Distribution: |
| Talked with: Jerry Undaman | |
| Date and Time: 5-22-06 2:30 pm | |

NO AST, or UST, at either Pick Your Part Facilities (Glenoaks or Tujunga).

Aggregate plant only as far as industrial activities.

Maintenance Shop for both Ancilities

- Calmat worked on "rock crusher" components at this shop
- equipment repair

Chemicals onste:

Diesel fuel for trucks and equipment

Appendix C Appendix C Stormwater Discharge Annual Reports, Laurel Canyon Facility, 1999-2005

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

2004-2005 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATED

WITH INDUSTRIAL ACTIVITIES NO 1 D#

BY

Reporting Period July 1, 2004 through June 30

粗 Y

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers, and e-mail addresses of the Regional Board contacts, as well as the Regional Board Offices addresses are indicated below.

REGIONAL BOARD INFORMATION:

Los Angeles Region 320 W.4th Street, Ste.200 Los Angeles, CA 90013

Contact: Sumaira Noreen Tel: (213) 620-6363

Email: kchung@waterboards.ca.gov

GENERAL INFORMATION

A. Facility Information:

Hewitt Landfill Closed 7361 Laurel Canyon Blvd North Hollywood, CA 91605

WDID No: 4 191002767

Contact: Bill Woyshner BILL BENNETT

Tel: (323) 258-2777

Email:

SIC Code(s):

4953

Refuse Systems (CLOSEP LANDFILL)

B. Facility Operator Information:

Calmat Co 3200 San Fernando Rd Los Angeles, CA 90065

Contact: Bill Woyshner BILL BENNETT

Email:

Tel: (323) 258-2777

C. Facility Billing Information:

Calmat Co 3200 San Fernando Rd Los Angeles, CA 90065

Contact: Susana Perez BILL BEUNETT

Email:

Tel: (323) 258-2777

Additional Table D Parameters: Fe (Hazardous Waste Facilities, see Table D, Sector K of the Permit for Additional Parameters)

Material Entered Into the File

| Count | y 19 S | Sequ | ence 002767 | |
|----------|-------------|-------------|---|-----------|
| Operat | or Name | CALMAT (| CO | |
| Facilit | vName | Hewitt Land | dfill (closed) | |
| Date | То | From | Subject | Location: |
| 3/30/92 | R4 | Permittee | NOI | File |
| 6/30/93 | R4 | Permittee | Annual Rport 1992-1993 | File |
| 6/5/97 | R4 | Permittee | Notice of Intent | File |
| 6/26/00 | R4 | Permittee | (Copy) Annual Report 1999-2000 | File |
| 6/26/00 | R4 | Permittee | Annual Report 1999-2000 | File |
| 6/18/01 | R4 | Permittee | Annual Report 2000-2001(Copy) | File |
| 6/18/01 | <u></u> 154 | Permittee | Annual Report 2000-2001 | File |
| 6/7/02 | R4 | Permittee | Annual Report 2001-2002 | File |
| 4/28/03 | R4 | Permittee | Notice of Intent- Change of information | File |
| 5 30 03 | R4 | Permittee | Annual Report 2002-2003 | File |
| 9230.03 | К4 | Permittee | Letter- submitting NOT to cancel existing storm water permit at their "closed" landfill facility. | File |
| 10.8/03 | R4 | Permittee | Notice of Termination | File |
| 10/31/03 | File | R4 | Inspection Report- Compliance/ NOT | File |
| 11/3/03 | Permittee | R4 | Letter- Denial of Notice of Termination | File |
| 1,41/3 | Fre | Paren | Record of James Lection | |
| 0/7/34 | R# | Permittee | Annual Report 2003, 2004 | |
| 11-1.5 | RA | ' emilee | A rose Report NEAL SEE | |

2004-2005 ANNUAL REPORT

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

| D | . <u>S</u> | AMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS | | | |
|----|------------|--|---------------------------|--------------------------|---|
| | 1. | For the reporting period, was your facility exempt from colle accordance with sections B.12 or 15 of the General Permit? | cting and a | analyzir | ng samples from two storm events in |
| | | YES Go to Item D.2 | \boxtimes | NO | Go to Section E |
| | 2. | Indicate the reason your facility is exempt from collecting ar copy of the first page of the appropriate certification if you ch | nd analyzin neck boxes | ıg samp i ii, iii, iv | oles from two storm events. Attach a |
| | | i. Participating in an Approved Group Monitoring Pla | ın | Gro | up Name: |
| | | ii. Submitted No Exposure Certification (NEC) | | Date | e Submitted: |
| | | Re-evaluation Date: | | | |
| | | Does facility continue to satisfy NEC conditions? | | YES | NO NO |
| | | iii. Submitted Sampling Reduction Certification (S | RC) | Date | Submitted: |
| | | Re-evaluation Date: | | | |
| | | Does facility continue to satisfy SRC conditions? | | YES | NO NO |
| | | iv. Received Regional Board Certification | Certific | ation D | ate: |
| | | v. Received Local Agency Certification | | Cetif | ication Date: |
| | 3. | If you checked boxes i or iii above, were you scheduled to sai | mple one s | storm e | vent during the reporting year? |
| | | YES Go to Section E | | NO | Go to Section F |
| | 4. | If you checked boxes ii, iv, or v, go to Section F. | | | |
| E. | SAM | IPLING AND ANALYSIS RESULTS | | | |
| | 1. | How many storm events did you sample? | item D.2 | 2.i or iii. | attach explanation (if you checked above, only attach explanation if you |
| | 2. | Did you collect storm water samples from the first storm of th scheduled facility operating hours? (Section B.5 of the General | e wei seas | son tha | ELIGIBLE EVENT t produced a discharge during |
| | | YES | \boxtimes | NO, | attach explanation (Please note that if you do not sample the first storm event, you are still required to sample 2 storm events) |
| | 3. | How many storm water discharge locations are at your facility | ? 00 | <u>E</u> | NO ELIGIBLE |
| | | | | | EVENT |

| 4. | Fo sa | r each storm event sampled, did you collect and analyze a mple from each of the facilitys' storm water discharge locations? | XES, go t | o Item E.6 | NO NO |
|-----|----------------|--|--|-----------------------------------|----------------------|
| 5. | | as sample collection or analysis reduced in accordance h Section B.7.d of the General Permit? | X YES | NO, a | ittach explanation |
| | If " tha | YES", attach documentation supporting your determination at two or more drainage areas are substantially identical. | | | |
| | Da | te facility's drainage areas were last evaluated | | | |
| 6. | We | ere all samples collected during the first hour of discharge? | X YES | NO, a | ttach explanation |
| 7. | Wa wo | as <u>all</u> storm water sampling preceded by three (3) rking days without a storm water discharge? | | NO, a | ttach explanation |
| 8. | We ten | re there any discharges of stormwater that had been porarily stored or contained? (such as from a pond) | YES | NO, g | o to Item E.10 |
| 9. | cont | you collect and analyze samples of temporarily stored or ained storm water discharges from two storm events? one storm event if you checked item D.2.i or iii. above) | YES | NO, a | ttach explanation |
| 10. | Spec | ion B.5. of the General Permit requires you to analyze storm wat cific Conductance (SC), Total Organic Carbon (TOC) or Oil and C orm water discharges in significant quantities, and analytical par | Frease (O&G), ot | her pollutants l | likely to be present |
| | a. | Does Table D contain any additional parameters related to your facility's SIC code(s)? | X YES | NO, G | io to Item E.11 |
| | b. | Did you analyze all storm water samples for the applicable parameters listed in Table D? | X YES | □ NO | |
| | C. | If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons: | | | |
| | | In prior sampling years, the parameter(s) have not be consecutive sampling events. Attach explanation | en detected in sig | inificant quanti | ities from two |
| | | The parameter(s) is not likely to be present in storm w discharges in significant quantities based upon the factorial control of the parameter of the par | ater discharges a ility operator's ev | and authorized valuation. Atta | non-storm water |
| | | Other Attach explanation | | | |
| 11. | For e resul | each storm event sampled, attach a copy of the laboratory analytits using Form 1 or its equivalent. The following must be provide | cal reports and red d for each sample | eport the samp | oling and analysis |
| | • | Name and title of sampler. Parameters tested. Name of analytical testing laboratory. • Test • Test • Dat | sting results. It methods used. It detection limits It of testing. It is in the labora | i. | results. |

F. QUARTERLY VISUAL OBSERVATIONS

| 1. | Section B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water discharges and their sources. | | | | |
|----|---|---|---------------------|--|--|
| | a. | . Do authorized non-storm water discharges occur at your facility? | | | |
| | | YES NO Go to Item F.2 | | | |
| | b. | Indicate whether you visually observed all authorized non-storm water discharges and their sou during the quarters when they were discharged. Attach an explanation for any "NO" answer "N/A" for quarters without any authorized non-storm water discharges. | rces s. Indicate | | |
| | | July -September YES NO N/A October-December YES NO | D N/A | | |
| | | January-March YES NO N/A April-June YES NO | N/A | | |
| | C. | Use Form 2 to report quarterly visual observations of authorized non-storm water discharges or provide the following information. | | | |
| | | i. name of each authorized non-storm water discharge ii. date and time of observation iii. source and location of each authorized non-storm water discharge iv. characteristics of the discharge at its source and impacted drainage area/discharge location v. name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm discharges. Provide new or revised BMP implementation date. | | | |
| 2. | Unauthorized Non-Storm Water Discharges Section B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. | | | | |
| | a. | Indicate whether you visually observed all drainage areas to detect the presence of unauthorized storm water discharges and their sources. Attach an explanation for any "NO" answers. | l non- | | |
| | | July -September X YES NO October-December X YES | NO | | |
| | | January-March X YES NO April-June X YES | NO | | |
| | b. | Based upon the quarterly visual observations, were any unauthorized non-storm water discharge | s detected? | | |
| | | | | | |
| | C. | Have each of the unauthorized non-storm water discharges been eliminated or permitted? | | | |
| | | YES NO Attach explanation | | | |
| | d. | Use Form 3 to report quarterly unauthorized non-storm water discharge visual observations or following information. | provide the | | |
| | | i. name of each unauthorized non-storm water discharge. ii. date and time of observation. iii. source and location of each unauthorized non-storm water discharge. iv. characteristics of the discharge at its source and impacted drainage area/discharge location. v. name, title, and signature of observer. vi. any corrective actions necessary to eliminate the source of each unauthorized non-storm with discharge and to clean impacted drainage areas. Provide date unauthorized non-storm with discharge(s) was eliminated or scheduled to be eliminated. | water | | |

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during rge.

| | the f | irst hour of dis | charge or, | in the case of ten | nporarily store | ed or containe | d storm water, at | the time of discharge. |
|--------------|------------------|---|---|---|---------------------------------------|---|---|--|
| | 1. | storm events | occurred d occurred t d provide t | pranation for an uring scheduled f | y "NO" ansv facility operat | vers . Include ing hours that | in this explanatio | ed at <u>all</u> discharge n whether any eligible a storm water there was no storm |
| | | October | YES | NO | | February | YES | NO |
| | | November | \boxtimes | | | March | $\overline{\boxtimes}$ | |
| | | December | \boxtimes | | | April | \boxtimes | $\overline{\Box}$ |
| | | January | \boxtimes | | | May | \boxtimes | |
| | 2. | Report mont | hly wet sea | son visual observ | ations using | Form 4 or pro | ovide the following | j information. |
| NUAI | L COI | c. charact d. any ne Provide | w or revised new or rev | he discharge (i.e. | y to reduce o nentation date | r prevent pollu e. | rce of any polluta utants in storm wa | nts observed. ater discharges. |
| ACS | SCE C | <u>HECKLIST</u> | | | | | | |
| shal mini | l be re mum s | vised and imp | lemented, a ry to compl | ducted within 8-1 as necessary, with ete a ACSCE In | 6 months of e hin 90 davs o | each other. T. f the evaluatio | he SWPPP and n | porting period (July 1- nonitoring program below includes the p below. Attach an |
| 1. | Have The f | you inspected ollowing areas | d all potenti s should be | al pollutant sourcinspected: | es and indus | trial activities | areas? 🔀 YES | □ NO |
| | • c | areas where sphe last year. Soutdoor wash a process/manual pading, unload vaste storage/lust/particulate prosion areas. | and rinse ar acturing ard ding, and tra disposal ard | eas. ansfer areas. eas. | during • | material sto vehicle/equi truck parkin rooftop equi vehicle fueli | pair, remodeling, a grage areas ipment storage ar g and access are ipment areas ng/maintenance a vater discharge ge | eas as areas |
| 2. | Have poten | you reviewed tial pollutant s | your SWPF ources and | PP to assure that I industrial activition | its BMPs addess areas? | dress existing | ✓ YES | NO NO |
| 3. | Have is up- | you inspected to-date? The | the entire following si | facility to verify th te map items sho | at the SWPP ould be verifie | P's site map, d: | ∑ YES | □ NO |

facility boundaries

ANNUAL

2.

3.

- outline of all storm water drainage areas
- areas impacted by run-on

- storm water discharges locations
- storm water collection and conveyance system
- structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

| 4. | Have you reviewed all General Permit compliance reco | orde ac | norated | | |
|-------------|--|--------------------|---|---|--|
| •• | since the last annual evaluation? | ords ge | Herated | X YES | S NO |
| | The following records should be reviewed: | | | | |
| | quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities | • | quarterly unauth water discharge Sampling and A preventative ma and maintenance | visual obser nalysis recoi intenance in | rvations rds |
| 5. | Have you reviewed the major elements of the SWPPP compliance with the General Permit? | to assu | ıre | ⊠ YES | □ NO |
| | The following SWPPP items should be reviewed: | | | - | |
| | pollution prevention team list of significant materials description of potential pollutant sources | • | implemented for | description | utant sources of the BMPs to be ial pollutant source |
| 6. | Have you reviewed your SWPPP to assure that a) the I in reducing or preventing pollutants in storm water disc non-storm water discharges, and b) the BMPs are being the following RMP extraoring should be assured to the story of | hardes | and authorized | ⊠ YES | Пио |
| | The following BMP categories should be reviewed: | | | | |
| | good housekeeping practices spill response employee training erosion control quality assurance | • | preventative ma material handlin waste handling/s structural BMPs | g and storag | e practices |
| 7. | Has all material handling equipment and equipment neimplement the SWPPP been inspected? | eded to | | YES YES | □ио |
| AC: | SCE EVALUATION REPORT | | | | |
| The | facility operator is required to provide an evaluation repo | ort that i | ncludes: | | |
| • | identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions | • | schedule for implany incidents of ractions taken. | | NPPP revisions nce and the corrective |
| Use | Form 5 to report the results of your evaluation or develo | p an ed | uivalent form. | | |
| <u>ACS</u> | SCE CERTIFICATION | | | | |
| The cert | facility operator is required to certify compliance with the fy compliance, both the SWPPP and Monitoring Program | Indust | rial Activities Stor be up to date and | m Water Gei be fully impl | neral Permit. To emented. |
| Bas Acti | ed upon your ACSCE, do you certify compliance with the vities Storm Water General Permit? | Industi | ial 🔀 YE | is (| NO |
| If yo | u answered "NO" attach an explanation to the ACSCE I | Evaluat I Permi | ion Report why yo | u are not in | |

I.

J.

ATTACHMENT SUMMARY

| A | pplicable) to questions 2-4 if you are not required to provide those attact | ed to the shape of | this anni :s. | ual report. Answe | r NA (Not | |
|-----------------------------|--|--|--|--|--|--|
| 1. | Have you attached Forms 1,2,3,4, and 5 or their equivalent? | \boxtimes | YES (| Mandatory) | | |
| 2. | If you conducted sampling and analysis, have you attached the laboratory analytical reports? | \boxtimes | YES | ☐ NO | | NA |
| 3. | If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications? | | YES | ☐ NO | \boxtimes | NA |
| 4. | Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J? | \boxtimes | YES | ☐ NO | | NA |
| ΑI | NNUAL REPORT CERTIFICATION | | | | | |
| ve oe wh su sig | am duly authorized to sign reports required by the INDUSTRIAL A ERMIT (see Standard Provision C.9) and I certify under penalty of the prepared under my direction or supervision in accordance with the properly gather and evaluate the information submitted. The manage the system, or those person directly responsible for graph individuals in the property of the best of my knowledge and belief, true, accurate gnificant penalties for submitting false information, including the prowing violations. | of law h a sy Base atheri | that this stem de d on my ng the i complet | s document and esigned to ensu y inquiry of the performation, the tended to the lam aware to the second to the sec | all attaching that quaderson or properties in the contraction of the c | ments alified persons in are |
| >r | inted Name: Bill Beanell | | | | | |
| Się | gnature: 3 in 73 Sur | | | Da <u>te: </u> | - 25- | 05 |
| ۲it | de: Land Eill MCD | | | - 1 may man - | | |

2004 - J5 ANNUAL REPORT

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF <u>AUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

- Quarterly dry weather visual observations are required of each authorized NSWD.
- Observe each authorized NSWD source, impacted drainage area, and discharge location.

| QUARTER: | | | |
|------------|--------------------------------|--|----------|
| JULY-SEPT. | Observers Name: 13:11 Bennet | | |
| DATE: | Title: Land Fill MGR. | WERE ANY AUTHORIZED NSWDs | YES |
| 9/30/04 | Signature: 72 ml 73 | DISCHARGED DURING THIS QUARTER? | NO |
| QUARTER: | | | |
| OCTDEC. | Observers Name: TSill Trennell | | |
| DATE: | Title: Land Fill mar. | WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER? | YES |
| 12130104 | Signature: Buy 13 | DISCHARGED BURING THIS QUARTER? | © |
| QUARTER: | | | |
| JANMARCH | Observers Name: 73:11 Tournest | | |
| DATE: | Title: Land Fill MGR. | WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER? | YES |
| 3131105 | Signature: | DOWN THIS QUARTER? | NO |
| QUARTER: | Observom Name 73 71 | | |
| APRIL-JUNE | Observers Name: 73:11 T3-yum | | |
| DATE: | Title: Land Fill MGR | WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER? | YES |
| 5/25/05 | Signature: Rad C | TOTAL DONNE THIS QUARTER? | NO |
| | | | |
| | | | |

2004 - 2....o ANNUAL REPORT

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF <u>AUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

| DATE /TIME OF OBSERVATION | SOURCE AND LOCATION OF AUTHORIZED NSWD | NAME OF AUTHORIZED NSWD | DESCRIBE AUTHORIZED NSWD CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects or an oil sheen, has odors, etc. | | CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or | | CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects | | CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects | | CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects | | CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects | | CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects | | CHARACTERISTICS Indicate whether authorized NSWD is clear, cloudy, or discolored, causing staining, contains floating objects | | DESCRIBE ANY REVISED OR NEW BMPs AND PROVIDE THEIR IMPLEMENTATION DATE |
|------------------------------|--|---|---|--|---|--|---|--|---|--|---|--|---|--|---|--|---|--|--|
| | EXAMPLE: Air conditioner Units on Building C | EXAMPLE: Air conditioner condensate | At the NSWD Source | At the NSWD Drainage Area and Discharge Location | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| : AM PM | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| : AM PM | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| : AM PM | | | | | | | | | | | | | | | | | | | |
| | | | | | · · | | | | | | | | | | | | | | |
| : AM PM | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| : AM PM | | | | | | | | | | | | | | | | | | | |

2004 · _ J5

ANNUAL REPORT FORM 3-QUARTERLY VISUAL OBSERVATIONS OF <u>UNAUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
- Make additional copies of this form as necessary.

| QUARTER: JULY-SEPT. | | | |
|------------------------------------|---|---|--------|
| DATE/TIME OF OBSERVATIONS | Observers Name: TSill Trannell Title: Land Fill MCR. | WERE UNAUTHORIZED NSWDs OBSERVED? | YES NO |
| 9/30/04 10:00 PM QUARTER: OCTDEC. | Signature: Zan R | WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | YES NO |
| DATE/TIME OF OBSERVATIONS | Observers Name: Till Tsenne Title: Land Fill more | WERE UNAUTHORIZED NSWDs OBSERVED? | YES NO |
| QUARTER: JANMARCH | Signature: The Total | WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | YES NO |
| DATE/TIME OF OBSERVATIONS | Observers Name: 7311 TSennett Title: Land Fill mcz. | WERE UNAUTHORIZED NSWDs OBSERVED? | YES NO |
| 3/3/05 Z:00 PM | Signature: Sall T | WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | YES NO |
| DATE/TIME OF OBSERVATIONS | Observers Name: 13:11 Benness Title: Land Fill MCR | WERE UNAUTHORIZED NSWDs OBSERVED? | YES NO |
| 5/25/05 9:30 PM | Signature: Rank T | WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | YES NO |

2004 `75 ANNUAL PORT

FORM 3 QUARTERLY VISUAL OBSERVATIONS OF <u>UNAUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

| OBSERVATION DATE (FROM REVERSE SIDE) | NAME OF UNAUTHORIZED NSWD | SOURCE AND LOCATION OF UNAUTHORIZED NSWD | Indicate whether unauthor discolored, causing stains; co sheen, has | DESCRIBE CORRECTIVE ACTIONS TO ELIMINATE UNAUTHORIZED NSWD AND TO CLEAN IMPACTED DRAINAGE AREAS. | |
|--------------------------------------|-----------------------------------|--|---|--|---|
| | EXAMPLE: Vehicle Wash Water | EXAMPLE: NW Comer of Parking Lot | AT THE UNAUTHORIZED NSWD SOURCE | AT THE UNAUTHORIZED NSWD AREA AND DISCHARGE LOCATION | PROVIDE UNAUTHORIZED NSWD ELIMINATION DATE. |
| | | | | | |
| AM PM | | , | | | |
| . / / | | | | | |
| : AM PM | | | | | |
| | | | | | |
| : AM PM | | | | | |
| 1 1 | | | | | |
| _: AM PM | | | | | |

SIDE A

2004 - ^^ 5

ANNUAL ORT FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.

| Observation Date: October 20 2004 | | #1 | | #2 | | | #3 | | | #4 | | |
|-----------------------------------|---|------------|---------------|----|---------------------------------------|--------------|-------------|----------|--------------|---------------------------------------|-------------|--------------|
| | Drainage Location Description | | | | | | "" | | | #4 | | |
| bservers Name: 7311 Brans | · | Storm. | Deain | | | | İ | | | | | |
| tte: Land Fill MCR. | Observation Time | 8:00 | | | : | P.M. A.M. | | : | P.M. A.M. | 1 | • | P.M A.M |
| gnature: 73 m ? | Time Discharge Began | 7:00 | P.M. A.M. | | | P.M. A.M. | | | P.M. | | • | P.M |
| griature: 12 M 122 | Were Pollutants Observed (If yes, complete reverse side) | No | <u> </u> | | • | A.M. | | : | A.M. | | : | A.N |
| bservation Date: November 30 2004 | | #1 | | #2 | | | #3 | | | #4 | | |
| oservers Name: 75 ill T3-un-4 | Drainage Location Description | Storm D | rain | | | | · | | | "- | | |
| le: Land Fill mol | Observation Time | 8:06 | P <u>.</u> M. | | : | P.M. A.M. | | : | P.M. A.M. | | | P.M |
| gnature: Bir 3 | Time Discharge Began | 8:30 | P <u>.M</u> , | | • | P.M. A.M. | | | P.M. | | • | A.M P.M |
| product. | Were Pollutants Observed (If yes, complete reverse side) | NO | | | · · · · · · · · · · · · · · · · · · · | 7.W. | | <u>:</u> | A.M. | | : | A.M |
| servation Date: December 24 2004 | | #1 | | #2 | | | #3 | | | #4 | | |
| servers Name: 73:11 Townson | Drainage Location Description | Storm T | racu | | | | | | | <i>11</i> -4 | | |
| E Land Fill Mak. | Observation Time | 7:00 | P.M. | | : | P.M. A.M. | | | P.M. | | | P.M. |
| nature: 13 4 72 7 | Time Discharge Began | 7:30 | P.M. (A.M) | | | P.M. | | • | А.М. Р.М. | | | A.M P.M. |
| naure: (5.54 | Were Pollutants Observed (If yes, complete reverse side) | NO | | | • | A.M. | | : | A.M. | · · · · · · · · · · · · · · · · · · · | : | A.M. |
| servation Date: January 3 2005 | | #1 | | #2 | | | #3 | | | | | |
| servers Name. Rill Bright | Drainage Location Description | Storn t | Diezaka | - | | | #0 | | | #4 | | |
| Land Fill MCR. | Observation Time | 7:00 | P.M. (A.M) | · | : | P.M. | | | P.M. | | | P.M. |
| | Time Discharge Began | | P.M. | | • | P.M. | | : | A.M. P.M. | | <u>:</u> | A.M. P.M. |
| ature: 73.11 TZ 5 | Were Pollutants Observed (If yes, complete reverse side) | 7:30 NO | (2.141.) | | <u> </u> | A.M. | | : | A.M. | | : | A.M. |

SIDE B

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

| DATE/TIME OF OBSERVATION (From Reverse Side) | DRAINAGE AREA DESCRIPTION EXAMPLE: Discharge from | DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing | IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS | DESCRIBE ANY REVISED OR NEW BMPs AND THEIR DATE OF IMPLEMENTATION |
|--|--|---|---|---|
| | material storage Area #2 | floating objects or an oil sheen, has odors, etc. | EXAMPLE: Oil sheen caused by oil dripped by trucks in vehicle maintenance area. | |
| | | | sale maintaine area. | |
| : AM PM | | | | |
| 1 1 | | | | |
| : AM PM | | | | |
| 1 1 | | | | |
| : AM PM | | | | |
| 1 1 | | | | |
| _: AM PM | | | | |
| | | | | |
| _: AM PM | | | | |

2004 - 2225

ANNUAL . ORT FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.

Visual observations must be conducted during the first hour of discharge at all discharge locations.

Discharges of temporarily stored or contained storm water must be observed at the time of discharge.

| Observation Date: February 17 2005 | | #1 | | #2 | | | #3 | | | #4 | | |
|--|--|------------|---------------------------------------|---|--------------|--------------|--|---|--------------|--|---|--------------|
| Near New 7 | Drainage Location Description | Dre | <u>سَ</u> | | | | | | | | | |
| Observers Name: 3111 Brianess | | | Œ. | | | P.M. | | | P.M. | | | P.M. |
| Title: Land Fill mal | Observation Time | 7: | 00 A.I | i i | : | A.M. | | • | A.M. | | : | A.M |
| × - , - | Time Discharge Began | 2: | 00 A.I | 1. 1. | : | P.M. A.M. | | • | P.M. A.M. | | _ | P.M. |
| Signature: 75 m 13 | Were Pollutants Observed (If yes, complete reverse side) | | · · · · · · · · · · · · · · · · · · · | | | | | • | 7.IVI. | | : | A.M. |
| Observation Date: March 18 2005 | | #1 | · · · · · · · · · · · · · · · · · · · | #2 | | | #3 | | | #4 | | |
| 2003 | Drainage Location Description | | | | | | "" | | | #** | | |
| Observers Name: Bill Bennett | | Dra | (P.N | 3 | | P.M. | | | | | | |
| itle: Land Fill mca. | Observation Time | ኔ : | 00 A.N | 1. | : | A.M. | | : | P.M. A.M. | | | P.M. A.M. |
| | Time Discharge Began | | (P.N. | | _ | P.M. | | | P.M. | | • | P.M. |
| ilgnature: | Were Pollutants Observed | <u>z</u> : | <i>00</i> A.N | <u>'- </u> | : | A.M. | | <u>:</u> | A.M. | | : | A.M. |
| | (If yes, complete reverse side) | | | | | | | | | | | |
| Observation Date: April 30 2005 | | #1 | | #2 | | | #3 | *************************************** | | #4 | | |
| | Drainage Location Description | ه ل ته | NE | | | | | | | | | |
| Observers Name: 73 ill BenneTT | | | P.N | . | | P.M. | <u> </u> | | Р.М. | | | |
| itle: Land Fill MGR. | Observation Time | : | A.N | | : | A.M. | | : | Р.М. A.M. | | : | P.M A.M. |
| | Time Discharge Began | : | P.M A.M | | • | P.M. A.M. | | // / / / / / / / / / / / / / / / / / / | P.M. | | | Р.М. |
| ignature: is in the same of th | Were Pollutants Observed | • | , ,,,,, | ` | • | A.M. | | : | A.M. | | : | A.M. |
| | (If yes, complete reverse side) | | | | | | | | | | | |
| observation Date: May 💆 2005 | | #1 | | #2 | | | #3 | | | #4 | | |
| 7:11 7 7 | Drainage Location Description | Drai | ٠. | | | | | | | | | |
| observers Name. Bill Bennett | | | P.M | <u></u> | | P.M. | | | P.M. | | | P.M. |
| ille: LandFill mar | Observation Time | 10: | | 기 | : | A.M. | | ; | A.M. | | : | Р.М. А.М. |
| ignature: Ring & | Time Discharge Began | 10: | P.M |) | : | P.M. A.M. | | : | P.M. | | _ | P.M. |
| ignature: Sud (San Market) | Were Pollutants Observed (If yes, complete reverse side) | | | | | | | • | A.M. | | : | A.M. |

2004 - 2005

ANNUAL I ORT

SIDE B

FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

| DATE/TIME OF OBSERVATION | DRAINAGE AREA DESCRIPTION | DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS | IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS | DESCRIBE ANY REVISED OR NEW BMPs |
|-----------------------------|--|--|---|----------------------------------|
| (From Reverse Side) | EXAMPLE: Discharge from material storage Area #2 | Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc. | EXAMPLE: Oil sheen caused by oil dripped by trucks in vehicle maintenance area. | AND THEIR DATE OF IMPLEMENTATION |
| / | | | | |
| : AM PM | | | | |
| // | | | | |
| : AM PM | | | | |
| | | | | |
| : AM PM | | | | |
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| : AM PM | | | | |
| | | | | |
| : AM PM | | | | |

2004 - 1175 ANNUAL | ... ORT

FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

| POTENTIAL POLLUTANT OURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Drain and Satoranas and exits. | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | YES | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs of corrective actions and their date(s) of implementation |
|--|--|-----------|--|--|
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES NO | | |
| POTENTIAL POLLUTANT DURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | YES NO | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs of corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES NO | | |
| POTENTIAL POLLUTANT URCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | YES NO | Describe deficiencies in BMPs or BMP Implementation | Describe additional/revised BMPs or corrective actions and their date(s) o implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES NO | | |
| POTENTIAL POLLUTANT JRCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | YES NO | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) or implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES NO | | |

| Enviro-Chem, Inc. L 1214 E. Lexington Ave Pomona, CA 91766 Tel: (909) 590-5905 Fax: CA-DHS ELAP CERTIFICA | (909) 590-5907 | Turnatoul Same Day 24 Hours 48 Hours 0 72 Hours Week (S Other: | , | × | OF CONTAINERS | TEMPERATURE | PRESERVATION | 15 SE CO. | 0/12/10 | Mortal Wasa | | 1 | 1/ | | / | \int | MIsc. | |
|---|----------------|--|---------------|---------------|---------------|--------------|--------------|-----------|-------------|-----------------|-------|-------------|---------|-----------------|------|--------|-------------------------------|-------------|
| SAMPLE ID | LABIO | 1 | PLING TIME | MATRIX | No. OF | TEMPE | PRESE | | A | nal | ysis | Req | uire | d d | | | COMMENT | s |
| STORMWATOR | | | | | | | | | | | | | | | | | | · |
| Sample Site 1 | 150429-37 | 4/28/05 | 0830 | W | 1 | Xiz | P | X | X | X | | | | | | | | |
| Junple Site 2 | -38 | 11 | 11 | | 1 | | | X | 文 | × | | - | - | | | | | |
| 0/01/2 | | | | | | | | | | | | | | | | | | |
| Jumple dite 3 | 39 | 11 | 1/1 | | 11 | | | X | X | X | | | | | | | | |
| 5. 106/211 | 4 | | , | | | | | | <u>'</u> | | | | | | | | | |
| sample site 4 | 0 30 | 14_ | 1) | | 11 | | | \times | X | X | | | | | | | | |
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| Company Name: | | | Wan | Ed | Proje | ct Cou | lack: | 1 | | $reve{igspace}$ | | | | <u> </u> | | | 77'11 | |
| INV: CALWES | EVUROUN | HENTH | WIR | CIMA | 5 | | Tr. A | len | nli. | Sci | ronte | San | ipler's | Signati FLRI | ire: | SCHOL | utelo | |
| 1 | FIRST ST | | | | Tel: | | 818- | | | | | Pro | | | | | Auction | |
| | VE CA 9 | 1750 | | $\overline{}$ | Fac | | 0,5 | | | 7 / | | 7 | 7245 | LAU | ÆL | CANS | HOW HOL | |
| Reinquished by: | 1 | 700 | Received ! | Her | // | | | | | u | Tula | | N. A | | | | 1. 25 | |
| Reinquished by: | <u> </u> | | Received | | len | | 1,0 | | -: | Dals | San L | 030 | | | | | torage After 1 O Store (30 | |
| Relinquished by: | | | Received | | | A | eap | | | Dates | 7 | 1/1 | 0 01 | | | | | - 4141 |
| | | C | HAIN | | CUS | TO | DY R | ECO | Rn | Date 8 | red. | | | | · | | | |
| Date: 4/29/05 | | | | HETE WETH S | | | | | | | | | | | Pag | 8e | t <i>a</i> | |

ENVIRO-CHEM, INC.

909 590 5907 P.02/06

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CAL WHET ENVIRONMENTAL SERVICES,

2386 FIRST STREET, LA VERNE, CA 91750

TEL (909) 593-7731 FAX (909) 593-2362

PROJECT: Insurance Auto Auction

LOCATION: 7245 Laurel Canyon Blvd., North Hollywood, CA 91605

DATE SAMPLED: 04/28/05 DATE RECEIVED: 04/29/05

MATRIX: WATER DATE ANALYZED: 04/29-05/04/05

REPORT TO:MS. CATHY WILLIAMS DATE REPORTED: 05/06/05

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SAMPLE I.D.: Stormwater Sample site #1 LAB I.D.: 050429-37

| PARAMETER | UNIT | SAMPLE RESULT | PQL | D¥ | Method |
|-------------------------|----------|---------------|--|-----|--|
| SPECIFIC CONDUCTANCE | uMHOS/CM | 72 | 5 | 1 | 120.1 |
| TSS | MG/L | 42 | 1 | 1 | 160.2 |
| OIL & GREASE | MG/L | 3 | 1 | 3 * | 413.2 |
| Antimony (8b) | MG/L | ND | 0.02 | 1 | 20 0.7 |
| Arsenic (As) | MG/L | ND | 0.01 | 1 | 200.7 |
| Barium (Ba) | MG/L | ND | 0.10 | 1 | 200.7 |
| Beryllium (Be) | MG/L | ND | 0.01 | 1 | 200.7 |
| Cadmium (Cd) | MG/L | ND | 0.01 | 1 | 200.7 |
| Chromium (Cr) | MG/L | ND | 0.01 | 1 | 200.7 |
| Cobalt(Co) | MG/L | ND | 0.02 | 1 | 200.7 |
| Copper (Cu) | MG/L | 0.034 | 0.02 | 1 | 200.7 |
| Lead (Pb) | MG/L | 0.062 | 0.01 | 1 | 200.7 |
| Mercury (Hg) | MG/L | ND | 0.0005 | 2* | 245.1 |
| Molybdenum (Mo) | MG/L | ИD | 0.1 | 1 | 200.7 |
| Nickel (Ni) | MG/L | ND | 0.05 | 1 | 200.7 |
| Selenium (Se) | MG/L | ND | 0.05 | 1 | 200.7 |
| Silver(Ag) | MG/L | ИD | 0.02 | 1 | 200.7 |
| Thallium (T1) | MG/L | ND | 0.02 | 1 | 200,7 |
| Vanadium(V) | MG/L | ND | 0.1 | 1 | 200.7 |
| Zinc (Zn) | MG/L | 0,313 | 0.02 | 1 | 200.7. |
| | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = DF X PQL

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

TSS = TOTAL SUSPENDED SOLLDS

uMHOS/CM = MICRO-MHOS PER CENTIMETER

MG/L = MILLIGRAM PER LITER = PPM

* = ACTUAL DETECTION LIMIT RAISED DUE NO LIMITED SAMPLE QUANTITY

DATA REVIEWED AND APPROVED BY:

ENVIRO-CHEM, INC.

909 590 5907 P.03/06

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CAL WEST ENVIRONMENTAL SERVICES.

2386 FIRST STREET, LA VERNE, CA 91750

TEL (909) 593-7731 FAX (909) 593-2362

PROJECT: Insurance Auto Auction

LOCATION: 7245 Laurel Canyon Blvd., North Hollywood, CA 91605

DATE SAMPLED: 04/28/05

DATE RECEIVED: 04/29/05

MATRIX: WATER

DATE ANALYZED: 04/29-05/04/05

REPORT TO: MS. CATHY WILLIAMS DATE REPORTED: 05/06/05

SAMPLE I.D.: Stormwater Sample site #2

LAB I.D.: 050429-38

| | | | | | BPA |
|-------------------------|----------|---------------|--------|----|--------|
| PARAMETER | UNIT | SAMPLE RESULT | PQL | DF | method |
| SPECIFIC CONDUCTANCE | umhos/cm | 57 | 5 | ı | 120.1 |
| TBS | MG/L | 37 | 1 | 1 | 160.2 |
| OIL & GREASE | MG/L | ND | 1 | 3* | 413.2 |
| Antimony (Sb) | MG/L | ND | 0.02 | 1 | 200.7 |
| Arsenic (As) | MG/L | ND | 0.01 | 1 | 200.7 |
| Barium (Ba) | MG/L | ND | 0.10 | 1 | 200.7 |
| Beryllium (Be) | MG/L | ND | 0.01 | 1 | 200.7 |
| Cadmium (Cd) | MG/L | DID | 0.01 | 1 | 200.7 |
| Chromium (Cr) | MG/L | -ND | 0.01 | 1 | 200.7 |
| Cobalt (Co) | MG/L | ND | 0,02 | 1 | 200.7 |
| Copper (Cu) | MG/L | 0.026 | 0.02 | 1 | 200.7 |
| Lead (Pb) | mg/l | 0.021 | 0.01 | 1. | 200.7 |
| Mercury (Hg) | MG/L | ND | 0.0005 | 2* | 245.1 |
| Molybdenum (Mo) | MG/L | ND | 0.1 | 1 | 200.7 |
| Nickel (Ni) | MG/L | ND | 0.05 | 1 | 200.7 |
| Selenium(Se) | MG/L | ND | 0.05 | 1 | 200.7 |
| Silver (Ag) | MG/L | ND | 0.02 | 1 | 200.7 |
| Thallium(T1) | MG/L | ND | 0.02 | 1 | 200.7 |
| Vanadium(V) | MG/L | ND | 0.1 | 1 | 200.7 |
| Zinc (Zn) | MG/L | 0.390 | 0.02 | ı | 200.7 |
| | | | | | |

COMMENTS:

DF = DILUTION FACTOR

PQL - PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT - DF X PQL

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

TSS = TOTAL SUSPENDED SOLIDS

umhos/cm = micro-mhos per centimeter

MG/L = MILLIGRAM PER LITER = PPM

* - ACTUAL DETECTION LIMIT RAISED DUE TO LIMITED SAMPLE QUANTITY

DATA REVIEWED AND APPROVED BY:

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CAL WEST ENVIRONMENTAL SERVICES,

2386 FIRST STREET, LA VERNE, CA 91750

TEL (909) 593-7731 FAX (909) 593-2362

PROJECT: Insurance Auto Auction

LOCATION: 7245 Laurel Canyon Blvd., North Hollywood, CA 91505

DATE RECEIVED: 04/29/05 DATE SAMPLED: 04/28/05

DATE ANALYZED: 04/29-05/04/05 MATRIX: WATER

DATE REPORTED: 05/06/05 REPORT TO: MS. CATHY WILLIAMS _______

SAMPLE I.D.: Stormwater Sample site #3 LAB I.D.: 050429-39

| | | | | | BPA. |
|-------------------------|----------|---------------|---------|------------|--------|
| PARAMETER | UNIT | SAMPLE RESULT | PQL | D T | method |
| SPECIFIC CONDUCTANCE | umhos/cm | 124 | 5 | 1 | 120.1 |
| TSS | MG/L | 241 | 1 | 1 | 160.2 |
| OIL & GREASE | MG/L | 4 | 1 | 3* | 413.2 |
| Antimony (Sb) | MG/L | ND | 0.02 | 1 | 200.7 |
| Arsenio (As) | MG/L | ND | 0,01 | 1 | 200.7 |
| Barium (Ba) | MG/L | 0.112 . | 0.10 | l | 200.7 |
| Beryllium(Be) | MG/L | , ND | 0.01 | 1 | 200.7 |
| Cadmium (Cd) | MG/L | ND | 0.01 | 1 | 200.7 |
| Chromium (Cr) | MG/L | 0.013 | 0.01 | 1 | 200.7 |
| Cobalt(Co) | MG/L | ND | 0.02 | 1 | 200.7 |
| Copper (Cu) | MG/L | 0.068 | 0.02 | 1 | 200.7 |
| Lead (Pb) | MG/L | 0.167 | 0.01 | 1 | 200.7 |
| Mercury (Hg) | MG/L | ND | 0.0005 | 2* | 245.1 |
| Molybdenum (Mo) | MG/L | ND | 0.1 | 1 | 200.7 |
| Nickel(Ni) | MG/L | ND | 0.05 | 1 | 200.7 |
| Selenium(Se) | MG/L | ND | 0.05 | 1 | 200.7 |
| Silver(Ag) | MG/L | ND | 0.02 | 1 | 200.7 |
| Thallium(T1) | MG/L | ND | 0.02 | 1 | 200.7 |
| Vanadium(V) | MG/L | ND | 0.1 | 1 | 200.7 |
| Zinc(Zn) | MG/L | 0.356 | 0.02 | 7 | 200.7 |
| | | | | | |

COMMENTS:

DF = DILUTION FACTOR

PQL - PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = DF X PQL

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

TSS - TOTAL SUSPENDED SOLIDS

uMHOS/CM = MICRO-MHOS PER CENTIMETER

MG/L = MILLIGRAM PER LITER = PPM

* = ACTUAL DETECTION LIMIT RAISED DUE TO LIMITED SAMPLE QUANTITY

DATA REVIEWED AND APPROVED BY:

909 590 5907

Enviro - Chem, Inc.

1214 E. Lexington Avenue, Pomona, CA 91766 Tel (909) 590-5905 Fax (909) 590-5907

LABORATORY REPORT

CUSTOMER: CAL WEST ENVIRONMENTAL SERVICES,

2386 FIRST STREET, LA VERNE, CA 91750

TEL (909) 593-7731 FAX (909) 593-2362

PROJECT: Insurance Auto Auction

LOCATION: 7245 Laurel Canyon Blvd., North Hollywood, CA 91605

DATE RECEIVED: 04/29/05 DATE SAMPLED: 04/28/05

DATE ANALYZED: 04/29-05/04/05 MATRIX: WATER

DATE REPORTED: 05/06/05 REPORT TO: MS. CATHY WILLIAMS

SAMPLE I.D.: Stormwater Sample site #4 LAB I.D.: 050429-40

| | | | | | RPA |
|-------------------------|----------|---------------|--------|----|--------|
| PARAMETER | UNIT | SAMPLE RESULT | PQL | DF | METHOD |
| SPECIFIC CONDUCTANCE | umhos/CM | 102 | 5 | 1 | 120.1 |
| TSS | MG/L | 43 | 1 | 1 | 160.2 |
| OIL & GREASE | MG/L | 3 | 1 | 3* | 413.2 |
| Antimony (Sb) | MG/L | N D | 0.02 | 1 | 200.7 |
| Arsenic (As) | MG/L | ND | 0.01 | 1 | 200.7 |
| Barium (Ba) | MG/L | ND | 0.10 | 1 | 200.7 |
| Beryllium(Be) | MG/L | ND | 0.01 | 1 | 200.7 |
| Cadmium (Cd) | MG/L | ND | 0.01 | 1 | 200.7 |
| Chromium (Cr) | MG/L | ND | 0.01 | 1 | 200.7 |
| Cobalt (Co) | MG/L | ND | 0.02 | 1 | 200.7 |
| Copper (Cu) | MG/L | 0.044 | 0.02 | l | 200.7 |
| Lead (Pb) | MG/L | 0.038 | 0.01 | 1 | 200.7 |
| Mercury (Hg) | MG/L | ND | 0.0005 | 2* | 245.1 |
| Molybdenum (Mo) | MG/L | ND | 0.1 | 1 | 200.7 |
| Nickel (Ni) | MG/L | ND | 0.05 | 1 | 200.7 |
| Selenium(Se) | MG/L | ND | 0.05 | 1 | 200.7 |
| Silver (Ag) | MG/L | ND | 0.02 | 1 | 200.7 |
| Thallium(T1) | MG/L | ND | 0.02 | 1 | 200.7 |
| Vanadium (V) | MG/L | ND | .0.1 | 1 | 200.7 |
| Zinc(Zn) | MG/L | 0.180 | 0.02 | 1 | 200.7 |

COMMENTS:

DF = DILUTION FACTOR

PQL = PRACTICAL QUANTITATION LIMIT

ACTUAL DETECTION LIMIT = DF X PQL

ND = NON-DETECTED OR BELOW THE ACTUAL DETECTION LIMIT

TSS = TOTAL SUSPENDED SOLIDS

umhos/cm = micro-mhos per centimeter

MG/L - MILLIGRAM PER LITER - PPM

* = ACTUAL DETECTION LIMIT RAISED DUE TO LIMITED SAMPLE QUANTITY

DATA REVIEWED AND APPROVED BY:



American Environmental Testing Laboratory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Storm Water Limits U.S. EPA Multi-Sector Permit Parameter Benchmark Values

| Parameter | | Benchmark V | ~ |
|----------------------------|-------------|--------------|-----------------|
| BOD (5 days) | Test Method | Holding Time | Benchmark Value |
| COD (5 days) | 405.1 | 48 Hours | 30 mg/L |
| | 410.4 | 28 Days | 120 mg/L |
| Total Suspended Solids | 160.2 | 7 Days | 100 mg/L |
| Oil & Grease (dispersed) | 1664 | 28 Days | 15 mg/L |
| Nitrate + Nitrite Nitrogen | 300.0 | 28 Days | 0.68 mg/L |
| Total Phosphorus | 365.2 | 28 Days | 2.0 mg/L |
| pH | 150.1 | Same Day | 6.0-9.0 s.u. |
| Acrylonitrile | 624 | 14 Days | 7.55 mg/L |
| Aluminum, Total | 200.7 | 6 Months | 0.75 mg/L |
| Ammonia | 350.3 | 28 Days | 19 mg/L |
| Antimony, Total | 200.7 | 6 Months | 0.636 mg/L |
| Arsenic, Total | 200.7 | 6 Months | 0.169 mg/L |
| Benzene | 624 | 14 Days | 0.01 mg/L |
| Beryllium, Total | 200.7 | 6 Months | 0.13 mg/L |
| Butylbenzyl Phthalate | 625 | * | 3 mg/L |
| Cadmium, Total | 200.7 | 6 Months | 0.0159 mg/L |
| Chloride | 325.3 | 28 Days | 860 mg/L |
| Copper, Total | 200.7 | 6 Months | 0.0636 mg/L |
| Dimethyl phthalate | 625 | * | 1.0 mg/L |
| Ethylbenzene | 624 | 14 Days | 3.1 mg/L |
| Fluoranthene | 625 | * | 0.042 mg/L |
| Fluoride | 300.0 | 28 Days | 1.8 mg/L |
| Iron, Total | 200.7 | 6 Months | 1.0 mg/L |
| Lead, Total | 200.7 | 6 Months | 0.0816 mg/L |
| Manganese, Total | 200.7 | 6 Months | 1.0 mg/L |
| Mercury, Total | 245.2 | 28 Days | 0.0024 mg/L |
| Nickel, Total | 200.7 | 6 Months | 1.417 mg/L |
| PCB-1016 | 608 | * | 0.000127 mg/L |
| PCB-1221 | 608 | * | 0.10 mg/L |
| PCB-1232 | 608 | * | 0.000318 mg/L |
| PCB-1242 | 608 | * | 0.00020 mg/L |
| PCB-1248 | 608 | * | 0.002544 mg/L |
| PCB-1254 | 608 | * | 0.10 mg/L |
| PCB- 1260 | 608 | * | 0.000477 mg/L |
| Phenols, Total | 420.2 | 28 Days | 1.0 mg/L |
| yrene | 625 | * | 0.01 mg/L |
| Selenium, Total | 200.7 | 6 Months | 0.239 mg/L |
| Silver, Total | 200.7 | 6 Months | 0.0318 mg/L |
| oluene | 624 | 14 Days | 10.0 mg/L |
| richloroethylene | 624 | 14 Days | 0.0027 mg/L |
| inc, Total | 200.7 | 6 Months | 0.117 mg/L |

^{* 7} to Days Extraction, 40 to Days Analysis of the extract.

Regional Water Boards may adopt Parameter Benchmark Values that are different than those listed in this table.

| 1 10111. | Patricia Garcia | |
|----------|---|--|
| To: | Jeff Mack; Wendy Phillips | |
| Date: | 11/4/03 10:54AM | |
| Caller: | Farideh Kia | |
| Company: | GC Environmental | |
| Phone: | (714) 632-9969 | |
| | [] Telephoned [] Will call again [] Wants to see you [] Urgent | [*] Please call [] Returned your call [] Came to see you |

Jeff:

Ms. Kia was calling on that status of the NOT for Calmat (Vulcan). I didn't tell her that you denied the NOT. She says that Calmat is not her client but that her client leases the property from Calmat and that she believes that her client may need to be permitted as well as others who lease from Calmat.

I told her you would call her back. Calmat's WDID # is 4 19 I 002767 and I still have the file at my desk.

State of California State Water Resources Control Board

1. M 04/03

NOTICE OF TERMINATION

Submission of this Notice of Termination constitutes notification that the facility operator identified below is no longer required to comply with the **Industrial Activities** Storm Water General Permit No. 97-03-DWQ.

WDID NO. 419S002767 II. FACILITY OPERATOR NAME CALMAT COMPANY, INC. dba vulcan materials company, Inc. contact person: bill woyshner ADDRESS 3200 SAN FERNANDO ROAD TITLE: LEAD ENVIRONMENTAL SPECIALIST CITY LOS ANGELES STATE CA ZIP 90065 PHONE: (323) 474-3251 III. FACILITY SITE INFORMATION FACILITY NAME HEWITT LANDFILL (CLOSED) CONTACT PERSON: BILL BENNETT LOCATION 7361 LAUREL CANYON BLVD. TITLE: SUPERVISOR LANDFILLS CITY LOS ANGELES STATE CA ZIP 91605 PHONE: (626) 856-6184 SIC CODE(S) 4 / 9 / 5 / 3 , / / / TYPE OF BUSINESS: CLOSED LANDFILL/REFUSE SYSTEMS **V.** BASIS OF TERMINATION X_ 1. Closed Facility. The facility is closed and all closure, moving, and clean-up activities are complete. NOTE: PLEASE REFER TO ATTACHMENT 1. Date of closure _11/_12_/_1975___ Are you moving to a new location in CA? ____ Yes ____ X _ No If Yes, start date at new location? / / Will you file new NOI? _____Yes _____No NEW FACILITY INFORMATION NAME CONTACT PERSON MAILING ADDRESS CITY STATE ZIP PHONE 2. Light Industry Exemption. Exposure of industrial activities, materials, and equipment to storm water has been eliminated (Applies only to certain facilities - see instructions). Complete and submit Attachment A. Date of evaluation: __/ _/ Date exposure eliminated (if applicable): __/ _/ Planned date of next evaluation: __/__/ 3. No Storm Water Discharge. Storm water associated with industrial activity does not discharge to waters of the United States because: the storm water is retained on site (such as in evaporation or percolation ponds). the storm water is discharged to a municipal sanitary sewer systems or municipal combined sewer system. __ b.

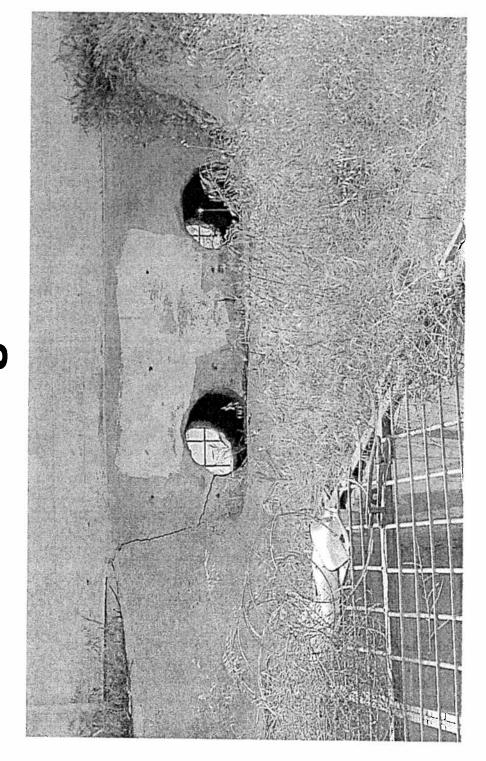
the storm water is retained offsite (such as in evaporation or percolation ponds).

c.

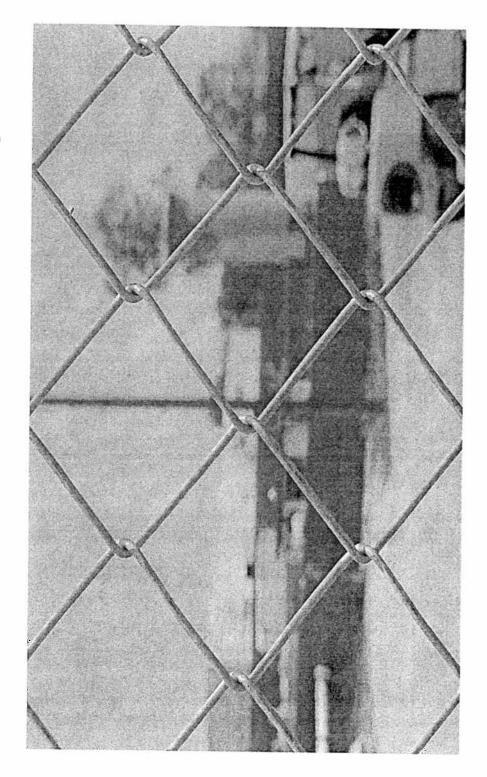
| 4 | Not Required to be Perfectivities storm water N | ermitted. The facility is not NPDES permit. | t required b | by federal regulations to be regulated by an industrial |
|---|---|--|--|---|
| 5 | 5. Regulated by Another another general or indiv | Permit. Discharge of stor. vidual NPDES permit. | m water ass | sociated with industrial activity is specifically regulated by |
| | NPDES Permit No | | Da | ate coverage began// |
| 6 | . New Facility Operator | r. There is a new facility op | | |
| | Date facility was transfe | erred to new facility operato | or// | · |
| | Have you notified the no | ew facility operator of the st | torm water | NPDES Permit requirements? YesNo |
| | | RATOR INFORMATION | | |
| | NAME | | CONTACT | PERSON |
| | MAILING ADDRESS | | TITLE | |
| | CITY | STATE | ZIP | PHONE |
| V. ADDI | ITIONAL TERMINATIO | ON INFORMATION | | |
| Are yo | ou attaching any additiona | l termination information? | Yes | s X No |
| | LITY PHOTOGRAPHS | | | |
| | you attached facility photo | | No | (See Instructions) |
| | UAL REPORT | | | (et mandenons) |
| Have y | you attached an Annual Re | eport? Yes_X | _ No | (See Instructions) |
| | ERTIFICATION | | | (See manuenons) |
| designed to under the Canot authorize operator is s | of and 2) this document and assure that qualified person lear Water Act to discharged by a NPDES permit, as still required to submit an | nd all attachments were prep onnel properly gather and e ge storm water associated w nd there are significant pena annual report to the Region | pared under evaluate the with industri alties for su al Water Bo | r the Industrial Activities Storm Water General Permit No. my direction and supervisions in accordance with a system information submitted. I am aware that it is unlawful all activity to waters of the United States if the discharge is abmitting false information. I understand that the facility oard by July 1. I also understand that the submittal of this any violations of the General Permit or the Clean Water |
| PRINTED 1 | NAME BILL WOYSH | HNER TITLE RE | EGIONAL | ENVIRONMENTAL MANAGER |
| SIGNATUR | RE SinUn | 1 REAL | DATE | 10,8,2003 |
| REGIONA | L WATER BOARD US | E ONLY | | |
| | proved and sent to State Boa | JufyMack | le | Denied and returned to applicant 11 103 1 0 3 |
| Printed 1 | Name | // Signature | | Date |

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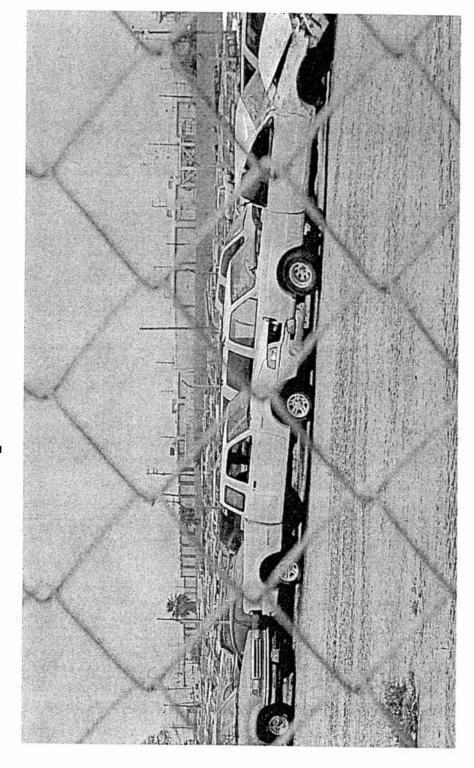
Hewitt Landfill Storm Water Discharge Point



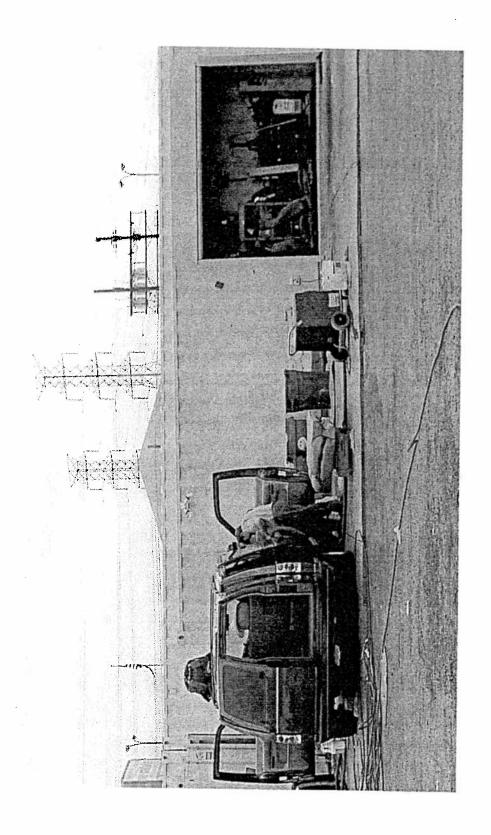
Hewitt Landfill Methane Collection and Burner



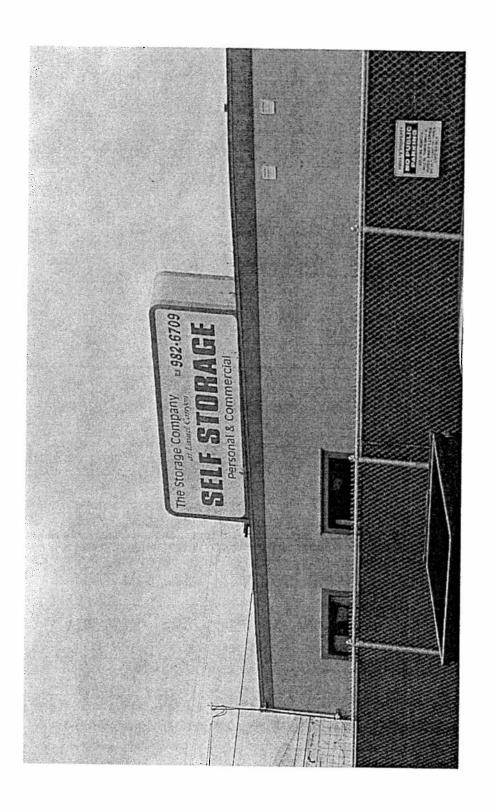
Insurance Auto Auction Operation



Autoland Detailing Operation



Self Storage Operation



Entrance to Hewitt Landfill Self Storage Operation



| (| | | |
|---|--|--|--|
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| | | | |
| | | | |

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

2002-2003 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATEĎ∜ WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2002 through June 30, 2003

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, and C below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be submitted) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov/stormwtr/ industrial.html.

REGIONAL BOARD INFORMATION:

LOS ANGELES REGIONAL WATER BOARD 320 W. 4TH STREET, STE 200 LOS ANGELES, CA 90013

SUMAIRA NOREEN Tel: (213) 620-6363

Email: snoreen@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

Facility WDID No: 419S002767

B. Facility Operator Information:

Contact Person:

DANZELLER BILL WOYSHNER

TeI: (323) 258-2777

CALMAT CO 20.
3200 SAN FERNANDO BLVD
LOS ANGELES, CA 90065

C. Facility Information:

Contact Person:

Mailing Address:

MR. GEORGE COSBY BILL WOYSHNER

Tel: (323) 258-2777

HEWITT LANDFILL (CLOSED) CALMAT CO 7361 LAUREL CANYON BLVD. 3200 SAN FERNANDO RD. LOS ANGELES, CA 91605 POOGS

SIC Code(s):

4953

Refuse Systems (CLOSED LANDFILL)

Additional Table D Parameters: Fe

(Hazardous Waste Facilities, see Table D, Sector K of the Permit for Additional Parameters)

2003-2004 **ANNUAL REPORT**

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

Ε.

| D. | SA | AMPLING | AND AN | IALYSIS EXEMP | TIONS AND REDUCTION | ONS | | |
|----|--|------------------|----------------------------|---|---|---------------------------|-------------------------------------|---|
| | For the reporting period, was your facility exempt from collecting and analyzing samples from two storm events in accordance with sections B.12 or 15 of the General Permit? | | | | | | | ng samples from two storm events in |
| | | | YES | Go to Item D.2 | | \boxtimes | NO | Go to Section E |
| | 2. | Indicate copy of | e the reas the first p | son your facility is page of the appro | exempt from collecting priate certification if yo | and analyz u check box | ing sam _l es ii, iii, | ples from two storm events. Attach a iv, or v. |
| | | i | Particip | pating in an Appro | oved Group Monitoring | Plan | Grou | up Name: |
| | | ii. | Submitt | ted No Exposure | · Certification (NEC) | | Date | Submitted: / / |
| | | | Re-eval | luation Date: | 1 | | | |
| | | | Does fa | acility continue to | satisfy NEC conditions | ? | YES | □ NO |
| | | iii. | Submitt | ted Sampl in g Re | duction Certification (| SRC) | Date | Submitted:// |
| | | | Re-eval | luation Date: | <u>/</u> | | | |
| | | | Does fa | cility continue to | satisfy SRC conditions? | | YES | □ NO |
| | | iv. | Receive | ed Regional Board | d Certification | | Certif | fication Date:// |
| | | v | Receive | ed Local Agency (| Certification | | Certif | fication Date:// |
| | 3. | If you ch | necked bo | oxes i or iii above | , were you scheduled to | o sample on | e storm | event during the reporting year? |
| | | | YES | Go to Section E | | | NO | Go to Section F |
| | 4. | If you ch | ecked bo | oxes ii, iv, or v, go | to Section F. | | | |
| Ξ. | SAI | MPLING A | AND ANA | ALYSIS RESULTS | <u> </u> | | | |
| | 1. | How ma | ny storm | events did you sa | ample?) | item D | .2.i or iii. | attach explanation (if you checked . above, only attach explanation if you いる RuららFF |
| | 2. | Did you schedule | collect sto ed facility | orm water sample operating hours? | es from the first storm o | f the wet sea | ason tha | at produced a discharge during |
| | | \boxtimes | YES | | | | NO | attach explanation (Please note that if you do not sample the first storm event, you are still required to sample 2 storm events) |
| | 3. | How mar | ny storm | water discharge I | ocations are at your fac | cility? | | |

2003-2004

ANNUAL REPORT

| 4. | | mple from each of the facility's' storm water discharge locations? | X | YES, | go to l | tem E.6 | □ NO | |
|-----|------------|---|--------------------|---|-----------------------------|--------------------------------|--|-----------|
| 5. | | as sample collection or analysis reduced in accordance h Section B.7.d of the General Permit? $$ $$ $$ $$ $$ $$ $$ $$ $$ $$ | | YES | | NO, atta | ach explanatio | 1 |
| | | YES", attach documentation supporting your determination at two or more drainage areas are substantially identical. | | | | | | |
| | Da | te facility's drainage areas were last evaluated/_/ | | | | | | |
| 6. | Wε | ere <u>all</u> samples collected during the first hour of discharge? | X | YES | | NO, atta | ach explanatior | } |
| 7. | | as <u>all</u> storm water sampling preceded by three (3) rking days without a storm water discharge? | \boxtimes | YES | | NO, atta | ach explanatior | 1 |
| 8. | | ere there any discharges of storm water that had been approarily stored or contained? (such as from a pond) | | YES | \boxtimes | NO, go | to Item E.10 | |
| 9. | cor | you collect and analyze samples of temporarily stored or natained storm water discharges from two storm events? one storm event if you checked item D.2.i or iii. above) | | YES | | NO atta | ach explanatior | 1 |
| 10. | Sec (TS | ction B.5. of the General Permit requires you to analyze storm wa SS), Specific Conductance (SC), Total Organic Carbon (TOC) or C present in storm water discharges in significant quantities, and a neral Permit. | Dil and | mples fo | e (O&0 | Total Sus G), other i | spended Solids pollutants likely t | |
| | a. | Does Table D contain any additional parameters | | | | | | |
| | | related to your facility's SIC code(s)? | \boxtimes | YES | | NO, Go | to Item E.11 | |
| | b. | Did you analyze all storm water samples for the | | | | | | |
| | | applicable parameters listed in Table D? | \times | YES | | NO | | |
| | C. | If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons: | | | | | | |
| | | In prior sampling years, the parameter(s) have not bee consecutive sampling events. Attach explanation | en det | ected ir | signi | ficant qua | intities from two | |
| | | The parameter(s) is not likely to be present in storm w discharges in significant quantities based upon the factorial storm. | ater d | ischarg perator' | es and s eval | d authoriz uation. A | ed non-storm wa at tach expla nati | ite on |
| | | Other. Attach explanation | | | | | | |
| 11. | For ana | each storm event sampled, attach a copy of the laboratory analy llysis results using Form 1 or its equivalent. The following must b | tical re e prov | eports a vided fo | nd rep r each | ort the sa sample o | ampling and collected: | |
| | • | Date and time of sample collection Name and title of sampler Parameters tested Name of analytical testing laboratory Discharge location identification • | Te Te Da | sting re st meth st detec ite of te pies of | ods us ction li sting | mits | analytical results | |

2003-2004

ANNUAL REPORT

F. QUARTERLY VISUAL OBSERVATIONS

2.

| 1. | Se | thorized Non-Storm Water Discharges ction B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water charges and their sources. | | | | |
|----|-----|--|--|--|--|--|
| | a. | Do authorized non-storm water discharges occur at your facility? | | | | |
| | | YES NO Go to Item F.2 | | | | |
| | b. | Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. Attach an explanation for any "NO" answers . Indicate "N/A" for quarters without any authorized non-storm water discharges. | | | | |
| | | July-September YES NO N/A October-December YES NO N/A | | | | |
| | | January-March YES NO N/A April-June YES NO N/A | | | | |
| | C. | Use Form 2 to report quarterly visual observations of authorized non-storm water discharges or provide the following information: | | | | |
| | | i. name of each authorized non-storm water discharge ii. date and time of observation iii. source and location of each authorized non-storm water discharge iv. characteristics of the discharge at its source and impacted drainage area/discharge location v. name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date. | | | | |
| 2. | Sed | authorized Non-Storm Water Discharges ction B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the sence of unauthorized non-storm water discharges and their sources. | | | | |
| | a. | Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. Attach an explanation for any "NO" answers. | | | | |
| | | July-September X YES NO October-December X YES NO | | | | |
| | | January-March X YES NO April-June X YES NO | | | | |
| | b. | Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected? | | | | |
| | | YES NO Go to Item F.2.d | | | | |
| | c. | Have each of the unauthorized non-storm water discharges been eliminated or permitted? | | | | |
| | | YES NO Attach explanation | | | | |
| | d. | Use Form 3 to report quarterly unauthorized non-storm water discharge visual observations or provide the following information: | | | | |
| | | i. name of each unauthorized non-storm water discharge ii. date and time of observation iii. source and location of each unauthorized non-storm water discharge iv. characteristics of the discharge at its source and impacted drainage area/discharge location v. name, title, and signature of observer vi. any corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated. | | | | |

2003-2004

ANNUAL REPORT

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

1. Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. Attach an explanation for any "NO" answers. Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

| October | YES | NO NO | February | YES | NO |
|----------|-----|---------------------------|----------|-----|-------------------|
| November | | STORM EVELT >DURIDG | March | | NO ELIGIBLE STORM |
| December | | ○ PERATING | April | | DURING |
| January | | X HOORS | May | | M- HOURS |

- 2. Report monthly wet season visual observations using Form 4 or provide the following information:
 - a. date, time, and location of observation
 - b. name and title of observer
 - characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed
 - any new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall

| 50 | e revised and implemented, as necessary, within 90 days of the evaluation. The checeps necessary to complete a ACSCE. Indicate whether you have performed each steplanation for any "NO" answers. | cklist below inclues below. Attac | udes the minimun |
|----|---|-----------------------------------|------------------|
| 1. | Have you inspected all potential pollutant sources and industrial activities areas? The following areas should be inspected: | X YES | ☐ NO |

- areas where spills and leaks have occurred during the last year
- outdoor wash and rinse areas
- process/manufacturing areas
- loading, unloading, and transfer areas
- waste storage/disposal areas
- dust/particulate generating areas
- erosion areas

- building repair, remodeling, and construction
- material storage areas
- vehicle/equipment storage areas
- truck parking and access areas
- rooftop equipment areas
- vehicle fueling/maintenance areas
- non-storm water discharge generating areas
- 2. Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas? X YES NO 3. Have you inspected the entire facility to verify that the SWPPP's site map is up-to-date? The following site map items should be verified:
 - facility boundaries
 - outline of all storm water drainage areas
 - areas impacted by run-on
 - storm water discharges locations
- storm water collection and conveyance system
- structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

2003-2004 ANNUAL REPORT

| 4. | Have you reviewed all General Permit compliance records since the last annual evaluation? | genera | ited | X YES | □ NO |
|---------------|---|----------------------|--|---|-------------------|
| | The following records should be reviewed: | | | | |
| | quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities | • | quarterly unauth visual observation Sampling and A preventative ma maintenance rec | ons nalysis records intenance inspe | |
| 5. | Have you reviewed the major elements of the SWPPP to a compliance with the General Permit? | ssure | | X YES | □ NO |
| | The following SWPPP items should be reviewed: | | | • | |
| | pollution prevention team list of significant materials description of potential pollutant sources | • | assessment of p identification and implemented for | d description of | the BMPs to be |
| 6. | Have you reviewed your SWPPP to assure that a) the BMF in reducing or preventing pollutants in storm water dischargenon-storm water discharges, and b) the BMPs are being im The following BMP categories should be reviewed: | ges and | authorized | ∑ YES | □ NO |
| | | | | | |
| | good housekeeping practices spill response employee training erosion control quality assurance | • | preventative mai material handling waste handling/s structural BMPs | g and storage p | ractices |
| 7. | Has all material handling equipment and equipment needed implement the SWPPP been inspected? | d to | | X YES | □ NO |
| <u>AC</u> | SCE EVALUATION REPORT | | | | |
| The | e facility operator is required to provide an evaluation report t | hat incl | udes: | | |
| • | identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions | • | schedule for impl any incidents of r corrective actions | non-compliance | |
| Use | Form 5 to report the results of your evaluation or develop a | n equiv | alent form. | | |
| <u>AC</u> | SCE CERTIFICATION | | | | |
| The con | facility operator is required to certify compliance with the Industrial facility operator is required to certify compliance, both the SWPPP and Monitoring Program must be | dustrial up to da | Activities Storm Wate and be fully im | /ater General P | ermit. To certify |
| | sed upon your ACSCE, do you certify compliance with the Inc | lustrial | | | - |
| Acti | vities Storm Water General Permit? | | | X YES | NO |
| If yo Indi | ou answered "NO" attach an explanation to the ACSCE Evanstrial Activities Storm Water General Permit. | luation | Report why you a | re not in compli | ance with the |

١.

J.

2003-2004 ANNUAL REPORT

ATTACHMENT SUMMARY

Answer the questions below to help you determine what should be attached to this annual report. Answer NA (Not Applicable) to questions 2-4 if you are not required to provide those attachments.

| 1. | Have you attached Forms 1,2,3,4, and 5 or their equivalent? | X YES (Ma | ndatory) | | | |
|--|---|-----------|----------------|-------|--|--|
| 2. | If you conducted sampling and analysis, have you attached the laboratory analytical reports? | X YES | □ NO | □ NA | | |
| 3. | If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications? | YES | □ NO | NA NA | | |
| 4. | Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J? | X YES | □ NO | □ NA | | |
| AN | NUAL REPORT CERTIFICATION | | | | | |
| I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES STORM WATER GENERAL PERMIT (see Standard Provision C.9) and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those person directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | | | | | | |
| Prin | Printed Name: BILL BENNETT | | | | | |
| Sigr | nature: Rul 18 | | Date: <u> </u> | 1-04 | | |
| Title | LAND FILL MANAGER | | | 700 | | |

2003 /4 ANNUAL REPORT

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF <u>AUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

- Quarterly dry weather visual observations are required of each authorized NSWD.
- Observe each authorized NSWD source, impacted drainage area, and discharge location.

- Authorized NSWDs must meet the conditions provided in Section D (pages 5-6), of the General Permit.
- Make additional copies of this form as necessary.

| QUARTER: JULY-SEPT. DATE: 9 1241 03 | Observers Name: Steve MS Andle Title: SeoLogist Signature: Here 40 | WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER? | YES NO | If YES, complete reverse side of this form. |
|---|--|--|--------|---|
| QUARTER: OCTDEC. DATE: 2 /29/03 | Observers Name: Steve Mc Ardle Title: Scologist Signature: Ma Ma | WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER? | YES | If YES, complete reverse side of this form. |
| QUARTER: JANMARCH DATE: 3 130 1 04 | Observers Name: Stare We Avdic. Title: Geologist Signature: All Je Man | WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER? | YES NO | If YES, complete reverse side of this form. |
| QUARTER: APRIL-JUNE DATE: 5 1 261 04 | Observers Name: Stelle MS Ardle Title: Seologist Signature: 42 M | WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER? | YES | If YES , complete reverse side of this form. |

FORM 3-QUARTERLY VISUAL COSERVATIONS OF <u>UNAUTHORIZED</u> NON-STORM WATE: JISCHARGES (NSWDs)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
- Make additional copies of this form as necessary.

| | T | | | |
|---|--|--|----------|--|
| QUARTER: JULY-SEPT. DATE/TIME OF OBSERVATIONS Q 24/03 3:47 | Observers Name: Steve MS Ardle Titie: Geologist | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □YES ☑NO | If YES to either question, complete reverse side. |
| | Signature: Your WE WWW | | | |
| QUARTER: OCTDEC. DATE/TIME OF OBSERVATIONS | Observers Name: Stew Mc Ardle | WERE UNAUTHORIZED NSWDs OBSERVED? | □YES MO | If YES to either question, |
| 12/29/63 3:30 PM | Signature: Seologist Signature: Manual Manu | WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSW.Ds? | □YES ☑NO | complete reverse side. |
| QUARTER: JANMARCH DATE/TIME OF OBSERVATIONS 3/30/04 4:00 PM | Observers Name: Staw ME Ardle Title: Ecologist Signature: Ata M2 Mm | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □YES ☑MO | if YES to either question, complete reverse side. |
| QUARTER: APRIL-JUNE DATE/TIME OF OBSERVATIONS 5/26/04 8:30 PM | Observers Name: Steve Ws Ardic Title: SeoLogist Signature: Alwa 43 M | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □YES ☑NO | If YES to either question, complete reverse side. |

FORM 4-MONTHLY VISCOBSERVATIONS OF STORM WATE. .SCHARGES

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

| | | | 110 | #3 | #4 |
|---|---|---------------------------|--------------------|--------------------|----------------------|
| Observation Date: October 21 2003 | Drainage Location Description | #1 | #2 | #3 | 11 - 1 |
| Show Man North | Dramage Location Description | None | | | |
| Observers Name: Stew Mª Ardle | Observation Time | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. ☐ |
| Title: Geologist | Time Discharge Began | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. |
| Signature: Luc Wi M | Were Poliutants Observed (If yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |
| 1 | (jos, complete levelor side) | | #2 | #3 | #4 |
| Observation Date: November 3 2003 | Drainage Location Description | #1. None | #4 | , #O | , 11 - 1 |
| Observers Name: Steve Mc Andle | Observation Time | 3:30 □ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. |
| Title: Sculogist Signature: 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | Observation Time | □ P.M. : □ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | □ P.M. : □ A.M. |
| Signature: Xun 47 Um | Time Discharge Began Were Pollutants Observed (If yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |
| | | #1 | #2 | #3 | #4 |
| Observation Date: December 3 2003 | Drainage Location Description | None | , , <u>-</u> | | |
| Observers Name: Steve We Arrok | | 10016 P.M. A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. |
| Title: Sectionist | Observation Time | P.M. | P.M. | ☐ P.M. : ☐ A.M. | □ P.M. : □ A.M. |
| 1/0 4 /1. | Time Discharge Began | : A.M. | · U ^ | | |
| Signature: Signature: | Were Pollutants Observed (If yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |
| | | #1 | #2 | #3 | #4 |
| Observation Date: January 2 2004 | Drainage Location Description | None | | | |
| Observers Name: Stell M. Andc | Observation Time | 11:30 P.M. | ☐ P.M. : ☐ A.M. | P.M. | ☐ P.M. : ☐ A.M. |
| Title: Geologist | Time Discharge Began | P.M. | □ P.M. : □ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. |
| Signature: Men Mc Mc | Were Poliutants Observed (If yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |

STORM WATER PASCHARGES

Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.

Visual observations must be conducted during the first hour of discharge at all discharge locations.

Discharges of temporarily stored or contained storm water must be observed at the time of discharge.

Make additional copies of this form as necessary.

Until a monthly visual observation is made, record any eligible storm events that do not result in a stort
water discharge and note the date, time, name, and title of who observed there was no storm water
discharge.

| Observation Date: February 2 2004 | | #1 | #2 | #3 | #4 |
|-----------------------------------|---|--------------------|----------------------|--------------------|------------------|
| | Drainage Location Description | OF OCI | | | |
| Observers Name: Stew ME Aprile | Observation Time | G:CO ☐ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | P.N : |
| Title: Septogist | Time Discharge Began | S :30 □ A.M. | P.M. | P.M. | P.N |
| Signature: Auk : N = 1/11 | Were Poliutants Observed (If yes, complete reverse side) | YES NO [] | YES NO | : A.M. YES NO | : |
| Observation Date: March 31 2004 | | #1 | #2 | #3 | #4 |
| Observers Name: Stelle MANdle | Drainage Location Description | NONE | | | |
| | Observation Time | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | □ P.M. : □ A.M. | P.N |
| THE SEULOGIST | | ☐ P.M. : ☐ A.M. | P.M. : | P.M. | P.N. A.N. |
| Signature: Mis Mis | Time Discharge Began Were Poliutants Observed (if yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |
| Observation Date: April 30 2004 | <u>.</u> | #1 | #2 | #3 | #4 |
| 1. 5 | Drainage Location Description | NODE | | | |
| Observers Name: Stelle MARINE | Observation Time | ☐ P.M. : ☐ A.M. | ☐ P.M. : . ☐ A.M. | ☐ P.M. : ☐ A.M. | P.N : A.N |
| Title: Seologist | Observation Time | □ P.M. | □ P.M. | P.M. | P.N |
| Signature: Market Market | Time Discharge Began Were Poliutants Observed | : | : A.M. | : A.M. | : A.A |
| | (if yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |
| Observation Date: May 26 2004 | | #1 | #2 | #3 | #4 |
| Observers Name: Steve MC Avale | Drainage Location Description | Nove | | | |
| ` | Observation Time | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | P.N : A.N |
| Title: Geologist | Time Discharge Began | □ P.M. : □ A.M. | P.M. : | □ P.M. : □ A.M. | □ P.M : □ A.V |
| Signature: X Use M2 | Were Pollutants Observed (if yes, complete reverse side) | YES NO | YES NO | YES NO D | YES NO |

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

| DATE/TIME OF OBSERVATION (From Reverse Side) | DRAINAGE AREA DESCRIPTION | DESCRIBE STORM WATER DISCHARGE CHARACTERISTICS | IDENTIFY AND DESCRIBE SOURCE(S) OF POLLUTANTS | DESCRIBE ANY REVISED OR NE BMPs AND THEIR DATE OF IMPLEMENTATION | | |
|--|--|--|---|--|--|--|
| | EXAMPLE: Discharge from material storage Area #2 | Indicate whether storm water discharge is clear, cloudy, or discolored; causing staining; containing floating objects or an oil sheen, has odors, etc. | EXAMPLE: Oil sheen caused by oil dripped by trucks in vehicle maintenance area. | IMPLEMENTATION | | |
| 212104 | AT | · Some floating missing denis (Tollas | | | | |
| 9:00 D AM | 0F-001 | o Heavy Sediment Load in brush Storm Water discharge? Limited Lighting prohibited Observation of Sheens - | <i></i> | | | |
| | | | | | | |
| _:_ | | | | | | |
| | | | | | | |
| :_ | | | | | | |
| | · | | | | | |
| AM | | | | | | |
| | | | | · | | |
| : AM PM | | | | | | |

FORM 5-ANNUAL COMPREHENS SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

| EVALUATION DATE: <u>5 126 194</u> INS | SPECTOR NAME: 311 Bev | inell | TITLE | : Land Fill MGR. SIGN | NATURE: 3 W 73 |
|---|--|---------------|--|--|--|
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) En Trances & ExiTs | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | □ YES ⊠ NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | □YES □ NO | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | ☐ YES ☐ NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP Implementation | Describe additional/revised BMPs on corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | □YES □ NO | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | ☐ YES ☐ NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | □YES □ NO | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | ☐YES ☐ NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | □YES □ NO | | | |

CHEMICAL ANALYSES OF STORM WATER RUNOFF SAMPLE TAKEN 2-03-04

CONTOUR PROCESS WAS A SECURITY WAS A



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065-

Telephone: (602)258-8818 Attention: Dan Zeller

Number of Pages 15 Date Received 02/03/2004 Date Reported 02/17/2004

| Job Number | Order Date | Client | i |
|------------|------------|--------|---|
| 27595 | 02/03/2004 | VULCAN | |

Project ID: ROUND #1, 2003-2004

Project Name: Storm Water Monitoring

Site:

The Storage Company

7361 Laural Canyon Blvd. North Hollywood, CA 91605

Enclosed please find results of analyses of 1 storm water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Approved By: C. Keymana

Cyrus Razmara, Ph.D. Laboratory Director



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CHAIN OF CUSTODY RECORD

Nº 30649

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| PROJECT NAM | VE. | Sterin il | | | | PROJE | CT# Round | | ond. | Œ. | ,, | | 7 | | | | Please send Results |
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| 9 | | | | | | | | | | | | _ | | | | 4 | Attn: nin Dan Zeller |
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| 11 | | | | | | | | ,, | | | | | | | | | Altn: Steve Mc Ardle |
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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065Site

The Storage Company 7361 Laural Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

2

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 27595 02/03/2004 VULCAN

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID QC Batch No: 021004

| Our Lab I.D. | | A A also also also page 1 , also a page 1 | Method Blank | 27595.01 | |
|--|-------|---|--|------------|--------|
| Client Sample I.D. | | | | OF-001 | ······ |
| Date Sampled | | | I control of the cont | 02/02/2004 | |
| Date Prepared | | | 02/10/2004 | 02/02/2004 | |
| Preparation Method | | | 5035A | 5035A | |
| Date Analyzed | | | 02/10/2004 | 02/10/2004 | |
| Matrix | | | Aqueous | Aqueous | |
| Units | | | mg/L | mg/L | |
| Dilution Factor | | | 1 | 1 | |
| Analytes | MDL | PQL | Results | Results | |
| TPH as Gasoline and Light HC. (C4-C12) | 0.005 | 0.010 | ND | ND | |

| Our Lab I.D. | - | | 27595.01 | |
|--------------------|------------|--------|----------|---|
| Surrogates | %Rec.Limit | % Rec. | % Rec. | |
| Bromofluorobenzene | 75-125 | 105 | 105 | : |



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The Storage Company 7361 Laural Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818 Attn: Dan Zeller

Page:

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 27595 02/03/2004 VULCAN

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QC Batch No: 020604

| Our Lab I.D. | | | Method Blank | 27595.01 | |
|--|---|-----|--------------|------------|--|
| Client Sample I.D. | | | | OF-001 | |
| Date Sampled | *************************************** | | | 02/02/2004 | |
| Date Prepared | | i | 02/06/2004 | 02/06/2004 | |
| Preparation Method | | | 3510C | 3510C | |
| Date Analyzed | | | 02/10/2004 | 02/10/2004 | |
| Matrix | | | Aqueous | Aqueous | |
| nits | | | mg/L | mg/L | |
| Dilution Factor | | | 1 | 1 | |
| Analytes | MDL | PQL | Results | Results | |
| TPH as Diesel (C13-C22) | 0.1 | 0.5 | ND | 1.22 | |
| TPH as Heavy Hydrocarbons (C23-C40) | 0.1 | 0.5 | ND | 0.620 | |
| TPH Total as Diesel and Heavy HC.C13-C40 | 0.1 | 0.5 | ND . | 1.84 | |

| Our Lab I.D. | | | 27595.01 | T | |
|---------------|------------|--------|----------|---|--|
| Surrogates | %Rec.Limit | % Rec. | % Rec. | | |
| Chlorobenzene | 75-125 | 104 | 99 | | |



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ANALYTICAL RESULTS

Ordered By

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The Storage Company 7361 Laural Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

4

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client
27595 02/03/2004 VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QC Batch No: 020404

| Our Lab I.D. | | | Method Blank | 27595.01 | | |
|--------------------|------|------|--------------|------------|---|--|
| Client Sample I.D. | | | | OF-001 | | |
| Date Sampled | | | | 02/02/2004 | | |
| Date Prepared | | | 02/04/2004 | 02/04/2004 | | |
| Preparation Method | | | 200.2 | 200.2 | | |
| Date Analyzed | | | 02/04/2004 | 02/04/2004 | | |
| Matrix | | | Aqueous | Aqueous | | |
| nits | | | mg/L | mg/L | 1 | |
| Dilution Factor | | | 1 | 1 | | |
| Analytes | MDL | PQL | Results | Results | | |
| Calcium | 0.25 | 0.50 | ND | 13.0 | | |
| Lead | 0.05 | 0.10 | ND | 0.067J | | |
| Nickel | 0.01 | 0.05 | ND | 0.015J | | |
| Sodium | 0.25 | 0.50 | ND | 3.33 | | |
| Zinc | 0.01 | 0.05 | ND | 0,145 | | |



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Ordered By

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The Storage Company 7361 Laural Canyon Blvd: North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page

Project ID: ROUND #1, 2003-2004

Droigat Mama. Storm Water Monitoring

AETL Job Number Submitted Client

| Project Name: Storm | water | Monitor | ing | | | 27595 02/03/200 | | | VULCAN |
|------------------------------|-------|---|----------|------|------|-----------------|--------------|------------|-------------|
| Our Lab I.D. | | | | | | | N/A | 27595.01 | , , s. 187 |
| Client Sample I.D. | | *************************************** | | | | | Method Blank | OF-001 | |
| Date Sampled | | | | | | | 02/02/2004 | 02/02/2004 | |
| Matrix | | | | | | | Aqueous | Aqueous | |
| Analytes | D.F. | Method | Units | MDL | PQL | Analyzed | Results | Results | NIINEE CHEE |
| Specific conductance | 1 | 120.1 | umhos/cm | 5.0 | 10.0 | 02/04/2004 | ND | 169 | |
| рН | 1 | 150.1 | pH unit | 0.01 | 0.01 | 02/03/2004 | NA | 6.84 | |
| Total Suspended Solids (TSS) | 1 | 160.2 | mg/L | 5.0 | 10.0 | 02/04/2004 | ND | 323 | |
| il and Grease | 1 | 1664 | mg/L | 0.5 | 1.0 | 02/03/2004 | ND | 3.50 | |
| _hloride | 1 | 325.3 | mg/L | 0.5 | 1.0 | 02/09/2004 | ND | 7.00 | |
| Biochemical Oxygen Demand | 1 | 405.1 | mg/L | 5.0 | 5.0 | 02/09/2004 | ND | 19.4 | |
| (BOD) | | | | | | | | | |
| Chemical Oxygen Demand | 1 | 410.4 | mg/L | 5.0 | 10.0 | 02/03/2004 | ND | 117 | |



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| Or | de | r | ed | Ву |
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Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065-

Site

The Storage Company 7361 Laural Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

6

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 27595 | 02/03/2004 | VULCAN |

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch No: 020404 Sample Spiked: 27595.01 QC Prepared: 02/04/2004 QC Analyzed: 02/04/2004 Units: umhos/cm

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------------------|--------|--------|-----|---------|--------|--------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Specific conductance | 169 | 169 | <1 | <15 | 141.30 | 141.30 | 100 | 80-120 | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065Site

The Storage Company 7361 Laural Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

7

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

 AETL Job Number
 Submitted
 Client

 27595
 02/03/2004
 VULCAN

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 020304 Sample Spiked: 27595.01 QC Prepared: 02/03/2004 QC Analyzed: 02/03/2004 Units: pH unit

| : | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | 1 |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|--------|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| pН | 6.84 | 6.89 | <1 | <15 | 7.00 | 7.00 | 100 | 80-120 | 2 8 |



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8

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 27595 02/03/2004 VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch No: 020404 Sample Spiked: 27570.01 QC Prepared: 02/04/2004 QC Analyzed: 02/04/2004 Units: ppm

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|------------------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Total Suspended Solids (TSS) | 27.0 | 27.0 | <1 | <15 | 100.00 | 93.00 | 93 | 80-120 | |



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Page:

9

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client
27595 02/03/2004 VULCAN

Method: 1664, Oil and Grease, Gravimetric

QUALITY CONTROL REPORT

QC Batch No: 020304 Sample Spiked: 020304 QC Prepared: 02/03/2004 QC Analyzed: 02/03/2004 Units: ppm

| | LCS | LCS | LCS | LCS DUP | LCS DUP | LCS DUP | LCS RPD | LCS/LCSD | LCS RPD | |
|----------------|--------|-------|-------|---------|---------|---------|---------|----------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % REC | % Limit | % Limit | |
| Oil and Grease | 10.00 | 10.60 | 106 | 10.00 | 10.20 | 102 | 3.8 | 80-120 | <20 | |



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ANALYTICAL RESULTS

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Attn:

Telephone: (602)258-8818

Dan Zeller

Page:

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

| AETL Job Number | Submitted | Clier |
|-----------------|------------|-------|
| 27595 | 02/03/2004 | VULC |

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch No: 020404 Sample Spiked: 27592.10 QC Prepared: 02/04/2004 QC Analyzed: 02/04/2004 Units: ppm

| | Sample | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RF |
|----------|--------|--------|-------|-------|--------|--------|--------|-----|---------|-------|
| Analytes | Result | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Lim |
| Calcium | 0.154 | 1.00 | 1.18 | 102 | 1.00 | 1.18 | 102 | <1 | 80-120 | <1 |
| Lead | ND | 1.00 | 1.10 | 110 | 1.00 | 1.02 | 102 | 7.5 | 80-120 | <1 |
| Nickel | ND | 1.00 | 1,06 | 106 | 1.00 | 1.06 | 106 | <1 | 80-120 | <1 |
| Sodium | ND | 1.00 | 1.04 | 104 | 1.00 | 1.03 | 103 | <1 | 80-120 | <1 |
| Zinc | 0.016 | 1.00 | 1.08 | 106 | 1.00 | 1.07 | 105 | <1 | 80-120 | <1 |

QC Batch No: 020404 Sample Spiked: 27592.10 QC Prepared: 02/04/2004 QC Analyzed: 02/04/2004 Units: ppm

| | LCS | LCS | LCS | LCS/LCSD | | |
|----------|--------|-------|-------|----------|------|--|
| Analytes | Concen | Recov | % REC | % Limit | | |
| Calcium | 1.00 | 1.02 | 102 | 80-120 | | |
| Lead | 1.00 | 1.06 | 106 | 80-120 | | |
| Nickel | 1.00 | 1.04 | 104 | 80-120 | | |
| Sodium | 1.00 | 1.02 | 102 | 80-120 | | |
| Zinc | 1.00 | 1.03 | 103 | 80-120 | | |



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AETL Job Number

Telephone: (602)258-8818

Attn:

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Page:

11

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

27595 02/03/2004 VULCAN

Submitted

Client

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 020904 Sample Spiked: 27598.01 QC Prepared: 02/09/2004 QC Analyzed: 02/09/2004 Units: ppm

| | Sample | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD |
|----------|--------|--------|--------|-------|--------|--------|--------|-----|---------|---------|
| Analytes | Result | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit |
| Chloride | 81.0 | 20.00 | 101.00 | | 20.00 | 101.00 | 100 | <1 | 80-120 | <15 |

QC Batch No: 020904 Sample Spiked: 27598.01 QC Prepared: 02/09/2004 QC Analyzed: 02/09/2004 Units: ppm

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Chloride | 7.00 | 7.00 | <1 | <15 | 20.00 | 20.00 | 100 | 80-120 | |



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ANALYTICAL RESULTS

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Dan Zeller

Page:

12

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 27595 02/03/2004 VULCAN

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 020404 Sample Spiked: 27595.01 QC Prepared: 02/04/2004 QC Analyzed: 02/09/2004

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|---------------------------------|--------|--------|-----|---------|--------|--------|-------|----------|------|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Biochemical Oxygen Demand (BOD) | 19.4 | 18.4 | 5.3 | <15 | 200.00 | 186.00 | 93 | 80-120 | |



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Dan Zenei

Page:

13

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

 AETL Job Number
 Submitted
 Client

 27595
 02/03/2004
 VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch No: 020304 Sample Spiked: 27603.01 QC Prepared: 02/03/2004 QC Analyzed: 02/03/2004 Units: ppm

| | Sample | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD |
|------------------------|--------|--------|-------|-------|--------|--------|--------|-----|---------|---------|
| Analytes | Result | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit |
| Chemical Oxygen Demand | 17.4 | 50.00 | 70.77 | 105 | 50.00 | 70.10 | 104 | <1 | 80-120 | <15 |

QC Batch No: 020304 Sample Spiked: 27603.01 QC Prepared: 02/03/2004 QC Analyzed: 02/03/2004 Units: ppn

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|------------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Chemical Oxygen Demand | 117 | 120 | 2.5 | <15 | 50.00 | 53.00 | 106 | 80-120 | |



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ANALYTICAL RESULTS

| Order | ed | Ву | | |
|--------|------|--------|-----|--|
| Vulcan | Mate | erials | Co. | |

3200 San Fernando Road Los Angeles, CA 90065Site

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Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

14

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 27595 02/03/2004 VULCAN

Method: M8015D, TPH as Diesel and Heavy Hydrocarbons Using GC/FID

QUALITY CONTROL REPORT

QC Batch No: 020604 Sample Spiked: 020604 QC Prepared: 02/06/2004 QC Analyzed: 02/10/2004 Units: ppm

| | Sample | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD |
|-------------------------|--------|--------|-------|-------|--------|--------|--------|-----|---------|---------|
| Analytes | Result | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit |
| TPH as Diesel (C13-C22) | 0.0 | 5.00 | 4.95 | 99 | 5.00 | 4.95 | 99 | <1 | 75-125 | <20 |

QC Batch No: 020604 Sample Spiked: 020604 QC Prepared: 02/06/2004 QC Analyzed: 02/10/2004 Units: ppm

| | LCS | LCS | LCS | LCS/LCSD | | | p |
|-------------------------|--------|-------|-------|----------|--|---|---|
| Analytes | Concen | Recov | % REC | % Limit | | _ | |
| TPH as Diesel (C13-C22) | 5.00 | 4.80 | 96 | 75-125 | | | |



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ANALYTICAL RESULTS

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065-

Site

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Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

15

Project ID:

ROUND #1, 2003-2004

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client
27595 02/03/2004 VULCAN

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID

QUALITY CONTROL REPORT

QC Batch No: 021004 Sample Spiked: 27652.12 QC Prepared: 02/10/2004 QC Analyzed: 02/10/2004 Units: ppm

| | Sample | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD |
|-------------------------------|--------|--------|-------|-------|--------|--------|--------|-----|---------|---------|
| Analytes | Result | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit |
| TPH as Gasoline and Light HC. | ND | 0.50 | 0.48 | 95 | 0.50 | 0.52 | 104 | 9.0 | 75-125 | <20 |
| (C4-C12) | | | | | | | | | | |

QC Batch No: 021004 Sample Spiked: 27652.12 QC Prepared: 02/10/2004 QC Analyzed: 02/10/2004 Units: ppm

| | LCS | LCS | LCS | LCS/LCSD | | | |
|-------------------------------|--------|-------|-------|----------|--|--|--|
| Analytes | Concen | Recov | % REC | % Limit | | | |
| TPH as Gasoline and Light HC. | 0.50 | 0.49 | 98 | 75-125 | | | |
| (C4-C12) | | | | | | | and the second s |



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Data Qualifiers and Descriptors

Data Qualifier:

*: In the QC section, sample results have been taken directly from the ICP reading. No preparation factor has

been applied.

B: Analyte was present in the Method Blank.

D: Result is from a diluted analysis.

E: Result is beyond calibration limits and is estimated.

J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method

Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

M: Matrix spike recovery is outside control limits due to matrix interference. Laboratory Control Sample recovery

was acceptable.

S6: Surrogate recovery is outside control limits due to matrix interference.

S8: The analysis of the sample required a dilution such that the surrogate concentration was diluted below the

method acceptance criteria.

X: Results represent LCS and LCSD data.

Definition:

%Limi: Percent acceptable limits.

%REC: Percent recovery.

Con.L: Acceptable Control Limits

Conce: Added concentration to the sample.

LCS: Laboratory Control Sample

MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method,

and each compound. It indicates a distinctively detectable quantity with 99% probability.

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can



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Data Qualifiers and Descriptors

be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical instrumentation and practice.

Recov:

Recovered concentration in the sample.

RPD:

Relative Percent Difference

HEWITT CLOSED LANDFILL

HISTORY:

The Hewitt Landfill is situated in an expended sand and gravel quarry. In the 1920's, the pit was originally opened by Consumers Rock and Gravel Company ("Consumers"). In 1929, Consumers merged with Consolidated Rock Products Company ("ConRock"). Additional mergers lead to the present ownership, CalMat Company dBA Vulcan Materials Company, Inc. ("Vulcan Materials").

The site covers approximately 57 acres as shown in the attached topographical map. The depth of the original pit was about 130 feet below grade. The landfill is bounded by the following: Saticoy Street on the North; Laurel Canyon Boulevard to the East; the Southern Pacific Railroad Company right of way to the South; and private property facing Whitsett Avenue and the Hollywood Freeway to the West. Residential property is adjacent to the disposal site on the North and commercial properties are located to the East of Laurel Canyon Boulevard.

Waste discharge requirements were issued in 1959 and the Hewitt Landfill was opened in 1962. Landfill operations were conducted by Los Angeles By-Products Company under a lease agreement with the owners at the time, "ConRock". The Class II landfill was closed on November 12, 1975.

The Hewitt Landfill Site was a daily-cover type sanitary landfill. The landfill was capped and closed. Land settlement has occurred over time and as a result, the site has over 25 feet of cover over most of the areas. In 1977, a methane collection system and flare was installed and over the years has been expanded in order to control methane gas migration. A detection monitoring system with probes has been installed at the perimeter of the landfill to detect the existence of offsite gas migration.

PRESENT:

Presently, the site is comprised of approximately 30 percent impervious (paved with asphalt) surfaces or buildings. The site land use is mixed operations utilizing the paved area for various leased tenants. The north eastern portion of the site is occupied by a Self Storage Business; the southern portion of the property is leased to Insurance Auto Auction where wrecked automobiles are sold at auctions for insurance companies (this is not a wrecking-dismantling yard operation); the center portion of the site is leased to Autoland who is in the business of automobile detailing, leasing/selling, and renting; and the northern portion is currently vacant and zoned for residential use.

Attachment I Page 2 of 2

Vulcan Materials would like to terminate the existing storm water permit (WDID No. 419S002767) since the storm water runoff from the closed landfill operation is not associated with any industrial activity. Therefore, the leased tenants will be prepared to demonstrate storm water compliance and obtain their own permits as deemed necessary.

California Re ional Water Quality C ntrol Board

Over 50 Years Serving Coastal Los Angeles and Ventura Counties
Recipient of the 2001 Environmental Leadership Award from Keep California Beautiful

Gray Davis Governor

Winston H. Hickox
Secretary for
Invironmental
Protection
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320 W. 4th Street, Suite 200, Los Angeles, California 90013 Phone (213) 576-6600 FAX:(213) 576-6640 Internet Address: http://www.swrcb.ca.gov/rwqcb4

November 3, 2003

Mr. Bill Woyshner Calmat Company, Inc. dba Vulcan Materials Co., Inc. 3200 San Fernando Road Los Angeles, CA 90065 Certified Mail Return Receipt Requested No. **7002 2030 0006 2095 1906**

Dear Mr. Woyshner:

DENIAL OF NOTICE OF TERMINATION APPLICATION: NPDES GENERAL PERMIT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITY, (ORDER NO. 97-03 DWQ; NPDES NO. CAS000001), WDID # 4 19 S 002767

We received a Notice of Termination application for your industrial facility site located at the above referenced address, and identified by the above listed WDID number. Regional Board staff inspected your site on October 31, 2003 and found that the facility does not meet conditions for termination for the following reasons:

- Exposure of methane collection and processing system to storm water.
- Exposure of unpaved areas of the facility to storm water discharges.

Additionally, the Storm Water Pollution Prevention Plan (SWPPP) states that uses of the closed Class II landfill are:

- Material storage and handling areas
- Inert waste ill area
- Equipment storage

Pollutants that can potentially occur in storm water discharges are:

- Sediments and solids
- Nutrients
- Hydrocarbons and flotables

Therefore, you are still required to comply with the General Permit guidelines and submit the appropriate fees. The implementation and maintenance of a SWPPP and Monitoring Plan is required, as is the submission of an Annual Report. You may reapply for termination of coverage under the General Permit when the site has been closed, and all elements of the Storm Water Pollution Prevention Plan have been completed.

California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption

For a list of simple ways to reduce demand and cut your energy costs, see the tips at: http://www.swrcb.ca.gov/news/echallenge.html

If you have any questions, please contact Mr. Jeff Mack at (213) 620-2121.

Sincerely,

Wendy Phillips, Chief Storm Water Section

Attachment

cc: Mary Ann Jones, State Water Resources Control Board Carl Sjoberg, Los Angeles County Department of Public Works Mike Mullin, Los Angeles City Department of Public Works

| SENDER: COMPLETE THIS SECTION | COMPLETE THIS SECTION ON DELIVE | RY |
|---|--|--------------------------------|
| Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse | A Signature | ☐ Agent ☐ Addressee |
| so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. | B. Received by (Printed Name) C | Date of Delivery |
| Article Addressed to: | D. Is delivery address different from item 1 If YES, enter delivery address below: | ? DYes D No |
| Bill Woyshner Calmad Co. dba. Vidcan | | |
| Calmad Co. dba Vidcan | 3. Service Type | |
| 3200 Ganfernando Rd. Los Angeles, CA 90065 | ☐ Hegistered ☐ Heturn Receipt | t f or Me rchandise |
| Los Angeles, CA 90065 | 4. Restricted Delivery? (Extra Fee) | ☐ Yes |
| Article Number (Transfer from service label) | 030 000F 5042 740F | .Xe |
| PS Form 3811, August 2001 Domestic Ret | urn Receipt | 102595-01-M-2509 |

California Environmental Protection Agency

^{***}The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption***

For a list of simple ways to reduce demand and cut your energy costs, see the tips at: http://www.swrcb.ca.gov/news/echallenge.html

Facility Name: Cal Mat Vulcan Materials Hewitt Landfill

WDID No.: 4 19S 002767

Inspector: Jeff Mack

Inspection Date: October 31, 2003

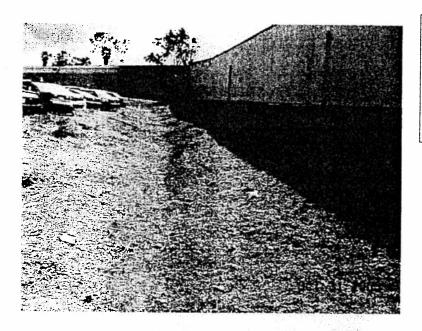


Photo 1

Description: South west side of facility is pervious, and channels discharges to the inlet shown in photograph 2.

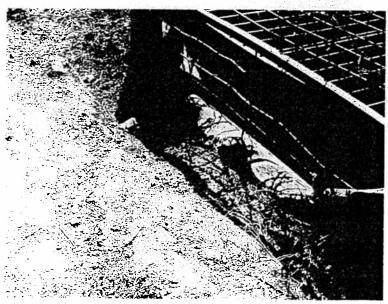


Photo 2

Description: Storm drain inlet. Tṛash, sediment and burned automobile storage are potential pollutants, as determined by this inspection.

Facility Name: Cal Mat Vulcan Materails Hewitt Landfill

WDID No.: 4 19S 002767

Inspector: Jeff Mack

Inspection Date: October 31, 2003

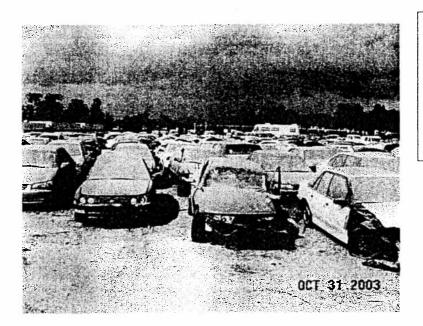


Photo 3

Description: Automobile salvage operation exists on estimated 25 acres. Numerous burned vehicles are stored on the pervious areas of the yard.



Photo 4

Description: Methane collection system, with flare stack.

Facility Name: Cal Mat Vulcan Materails Hewitt Landfill

WDID No.: 4 19S 002767

Inspector: Jeff Mack

Inspection Date: October 31, 2003

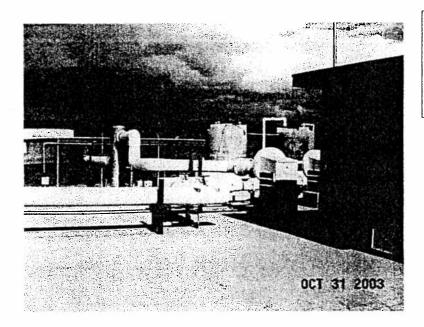


Photo 5

Description: Piping, and associated liquids storage or processing, exist with no structural BMPs in place.

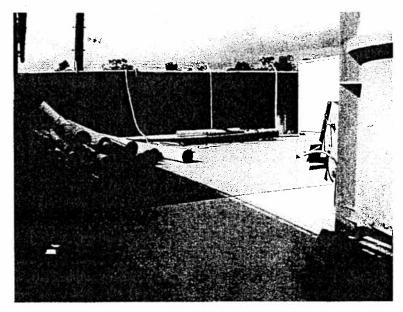


Photo 6

Description: Area within enclosure is situated on an impervious pad.



State California - Environmental Protection / ncy California Reg. and Water Quality Control Board - Los Angeles Region

Mydos

INDUSTRIAL STORM WATER INSPECTION REPORT

| | 1/9 5 00 2767 10/31/03 10:30 WOID NUMBER INSPECTION DATE ARRIVAL TIME | 12:00 | Cloudy; day |
|-----------------------|---|--|--------------------------------|
| , Q | WDID NUMBER INSPECTION DATÉ ARRIVAL TIME | DEPARTURE TIME | |
| stone | Vulcan Matt's Condfill 7361 Laurel FACILITY NAME INSPECTION DATE ARRIVAL TIME ADDRESS | Cyn. Blvd. | (818) 982-670 |
| | Paul Maldonado (The Storage Co. | @ Laurel Cyn.) N | ZIP PHONE NUMBER PHONE NUMBER |
| | 4953 Lundfill clused | 18 acres -1 | VOI 4/02/92 NOI FILING DATE |
| 422 | | s) (le implevious |) NOI FILING DATE |
| | PURPOS | E OF INSPECTION | |
| | Compliance inspection (Storm Water Samples Collected ?: No _ Follow-up inspection made to verify correction of a previously identific _ Complaint inspection. | | Inspection Pre-announced:YesNo |
| | Notice of Termination inspection - Verification of information in applic Other- Explain | cation, | Pictures Taken:Yes No |
| i. N | | ONCLUSION | |
| W | Minor violation(s) noted. | Major violation(s) noted. V Col | mpliance undetermined. |
| | Exposure of potential pollumos mo structural BMP's | tand to Sw ex | iste |
| | no structural BMP's | 4.8 | |
| | mal & C. I. | - // / | |
| | Methane extraction and ; exist in a concrete pad, | rossible leachare | Collection systems |
| | exist in a concrete pad, | with no over | head coder |
| | V / | | |
| | | | |
| | | · | |
| | | | |
| | RECO | | |
| | Issue Notice to Comply Issue Notice of Violation Oth | er. Schedule Re-inspection on: | |
| | Veny NOT request - | - in writing | |
| | , | | |
| | | 1 | |
| | JEFF Mark INSPECTOR NAME - AGIN | J Mach | 11/03/03 REPORT DATE |
| Company of the second | Mandy Phillips Me | ATURE THE TOTAL PROPERTY OF THE PARTY OF THE | 11.3.03 REVIEW DATE |

| Date of Inspection | Date of Inspection | 10/71/03 |
|--------------------|--------------------|----------|
|--------------------|--------------------|----------|

| WDID# 195 00 2767 | | | | | | | | | | |
|--|--|--|---|--|--|--|--|--|--|--|
| Facility Name | 195 00 2767 Culmat Vulcan Matti Hewitt Landfill | | | | | | | | | |
| | , | | | | | | | | | |
| Please write down the information for Outstanding Invoices. Wure | | | | | | | | | | |
| FY INV# BILLING DATE AMOUNT DUE | | | | | | | | | | |
| | | | A | | | | | | | |
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| COMMENTS: | | | | | | | | | | |
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State of California - Environmental Protection Agency California Regional Water Quality Control Board - Los Angeles Region

INDUSTRIAL STORM WATER INSPECTION REPORT

| INSPECTION CHECKLIST | Yes | No | N/A | COMMENTS |
|---|----------|----|----------|-----------------|
| A. STORM WATER POLLUTION PREVENTION PLAN EVALUATION | | _ | | |
| 1 Develop a SWPPP and retain one copy on-site [Section A.10.a. to f.] | \ \ | | | |
| 2 Identify and update pollution prevention team [Section A.3.] | ~ | | | |
| 3 Identify pollution prevention team responsibilities [Section A.3.] | • | | | |
| 4 Develop and/or promptly update site map [Section A.4.] | - | | | |
| 5 List significant materials handled and stoed on-site [Section A.5.] | | | | |
| 6 Describe potential pollutant sources [Section A.6.] | <u>ر</u> | | | |
| 7 Provide summary of activities, pollutant sources, pollutants [Section A.7.] | | | | |
| 8 Propose site-specific BMPs [Section A.8.] | | ب | | non structural |
| 9 Conduct Annual Comprehensive Site Compliance Evaluation [Section A.9.] | <u></u> | | | |
| 10 Sign and certify the SWPPP [Section C.9.] | | | | |
| B. Monitoring Program Evaluation | ļ | | | |
| 1 Develop and implement written storm water monitoring program (Section B.1) | L | | | |
| Describe Non-storm Water Discharge Visual Observation Schedule [Section B.3.] | | | | |
| 3 Describe Storm Water Discharge Visual Observation Schedule [Section B.4.] | | | | |
| 4 Describe Sampling and Analysis Methodology [Section B.5.] | _ | | | |
| 5 Sample two storm events [Section B.5.a.] If not, specify the reason. | | | | |
| 6 Sample for additional parameters [Section B.5.c.iii.] If not, explanation given | | | | |
| 7 Sample ALL Storm Water Discharge Points [Section B.7.] If not, explanation given. | | | | (1) |
| 8 Describe Monitoring Methods [Section B.10.] | _ | | | |
| 9 Describe quality assurance and quality control methods [Section B.10.b.] Keep records of all storm water monitoring information and copies of all reports for at least | _ | | | |
| 10 five years [Section B.13.] | _ | | | |
| C. Recordkeeping and Reporting | | | | |
| 1 Retain on-site copies of employee training records. | | _ | | closed Facility |
| 2 Retain on-site copies of spills and leaks report. | | | | |
| 3 Retain on-site copies of inspection reports. | | _ | <u> </u> | |
| 4 Retain on-site copies of housekeeping logs. Are data collected from the monitoring program within USEPA benchmarks (use the | - | | | |
| 5 smapling data sheet on Page 4 as necessary). | 1 | l | l | 1 |

| 'ndustrial A | activities or Pollutant Sources, and the Corresponding | ВМЕ | Effe | ctive | ness | |
|--|--|----------|------------------|--------------|--------------|------------------------------|
| | Basic BMPs | N | Р | Α | N/A | Comments |
| | Overhead roofs or covers. | | | | | |
| eas | Isolation of activities and/or materials from rain. | | | | | closed (and Fill |
| J.A. | Proper grading to divert runoff from source areas. | | | | | |
| ing | Collection and treatment of storm water (specify) | | | | | possible leachate collection |
| ess | Frequent inspections to identify problem areas. | | V | | | System. |
| Š. | Spills and leaks prevention and control measures. | | _ | | | |
| a B | Inventory and labeling of raw materials and wastes. | ~ | | | | |
| stri | Frequent sweeping. | | | | | |
| Industrial Processing Areas | Housekeeping (specify) | | Ų | | | |
| | Overhead roofs or covers. | | | | - | 7 |
| and and | Isolation of activities and/or materials from rain. | 1 | | | / | |
| Storage oing and | Proper grading to divert runoff from source areas. | \vdash | | - | 1 | |
| and S Shippi reas | Collection and treatment of storm water (specify) | | 1 | -/ | | 1111 |
| g ar Shi Are | Frequent inspections to identify problem areas. | ł | + | / | | |
| lling Ing ng | Spills and leaks prevention and control measures. | | $\mid - \rangle$ | \leftarrow | | |
| ~ ~ ~ ; | Inventory and labeling of raw materials and wastes. | | / | 1 | | / / |
| 프르의 | Frequent sweeping. | - | V | 1 | - | |
| eria as, | Housekeeping (specify) | / | | | \ | |
| Mate Area | Tiousekeeping (speeny) | / | | | 1 | |
| | Overhead roofs or covers. | 1 | | | - | <u> </u> |
| ŧ | Isolation of activities and/or materials from rain. | | - | | | |
| me | Proper grading to divert runoff from source areas. | | | | | |
| Ø Å Ē | Collection and treatment of storm water (specify). | - | - | | - | 1 |
| Б. У | Frequent inspections to identify problem areas. | | - | - | | |
| anc enal | Spills and leaks prevention and control measures. | | | | - | |
| 음토문 | Remove or cover obsolete vehicles or equipment. | 1. | | | 1 | hand philos from |
| eh. Ma | Housekeeping (specify) | - | - | t- | † | Sulface Sal 1891 |
| > | , recovery (in the control of the co | | - | † | | trash & dekris |
| <u>v</u> | Spill prevention plan and team. | | | | 7 | |
| Spil | Proper containment of potential spill and leak areas. | | | | | |
| int 9 .eak | Use of spill control materials. | | 1 | 1 | | |
| fica id L | Prompt cleanup of spill control materials. | | - | 1_ | | |
| gni ar | Frequent inspections to identify spills and leaks. | . | _ | 1_ | | 1. 1 |
| <u></u> | Proper documentation of significant spills and leaks. | | | <u> </u> | 0 | anknown |
| | Proper grading and/or pavement. | | - | | _ | |
| and late | Tracking prevention. | . | 1 | 1_ | | |
| ist s icu iera | Planting and maintenance of vegetation. | | | 1 | <u> </u> | |
| Du Part Gen | Sediment control devices (specify). | - | | | ļ | |
| , | Housekeeping (specify) | | 1 | 1 | <u> </u> | |
| orm or | Eliminate sources of non-storm water discharges. | | | _ | | |
| n-st Nate icha | Separate permit for non-storm water discharges. | | | ļ | | |
| m-storm Soil Erosion, Dust and Dust and Significant Spills Vehicle and Water Particulates and Leaks Generating | Containt non-storm water discharges (specify). | 1 | | İ | 1/ | 1 |

BMP Effectiveness: N=Not Implemented; P=Poorly Implemented; A=Adequately Implemented; N/A=Not Applicable.

| DETAILED INSPECTION FINDINGS |
|--|
| Facility Information: Certification of Elimination of NSW Discharge |
| signed Bill Bennett 5-14-03 |
| |
| |
| Inspection Notes: desed Class 2 Landfill |
| Uses are: material storage & handling areas |
| ment waste Fill area |
| egpt. Horage |
| Office space { parking |
| Drinary mattis used on site are: petroleum products |
| primary mattis used on site are: petroleum products (oil, greuse 4 Free) |
| Pollutants thus can occur potentially in storm water discharge |
| are: Sediments and solids |
| nutrients |
| H/c and Flotables. |
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State of Countries - Environmental Protection Agency California Regional Water Quality Control Board - Los Angeles Region

INDUSTRIAL STORM WATER INSPECTION REPORT

Storm Water Sampling Data Sheet

| Parameters | pН | TSS | SC | O&G | Cu | Fe | Pb | Zn |
|------------|------|------|----------|---|-------|-------|-------|--|
| Benchmarks | 6-9 | 100 | 200 | 15 | 0.064 | 1.000 | 0.082 | 0.065 |
| Units | s.u. | mg/L | umhos/cm | mg/L | mg/L | mg/L | mg/L | mg/L |
| Year | | | | | | | | |
| Year | · | | | | | | | |
| Year | | | | | | | | |
| Year | | | | | | | | |
| Year | | | | and agreement of the Control of the | | | | |
| Year | | | | | | | | |
| Year | | | | | | | | |
| Year | | | | | | 1 | | |
| Year | | | | | | | | |
| Year | | | | | | | | ************************************** |
| | | | | | | | | |

| Supplemental Notes, Comments, etc. | | | | | | |
|------------------------------------|--|--|--|--|--|--|
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Facility Name: Cal Mat Vulcan Materials Hewitt Landfill

WDID No.: 4 19S 002767

Inspector: Jeff Mack

Inspection Date: October 31, 2003

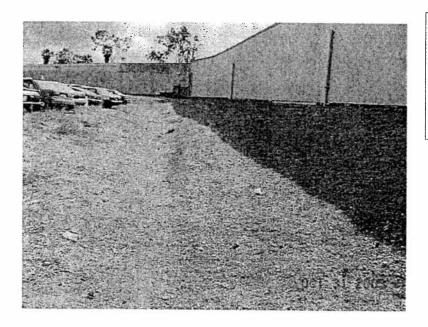


Photo 1

Description: South west side of facility is pervious, and channels discharges to the inlet shown in photograph 2.

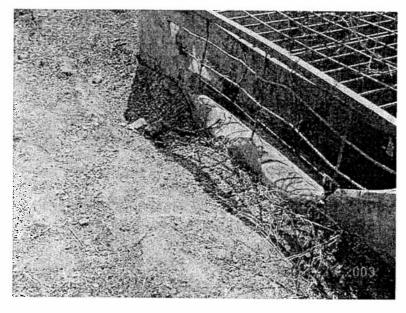


Photo 2

Description: Storm drain inlet. Trash, sediment and burned automobile storage are potential pollutants, as determined by this inspection.

Facility Name: Cal Mat Vulcan Materails Hewitt Landfill

WDID No.: 4 19S 002767

Inspector: Jeff Mack

Inspection Date: October 31, 2003



Photo 3

Description: Automobile salvage operation exists on estimated 25 acres. Numerous burned vehicles are stored on the pervious areas of the yard.

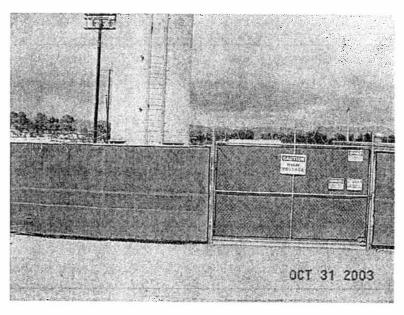


Photo 4

Description: Methane collection system, with flare stack.

Facility Name: Cal Mat Vulcan Materails Hewitt Landfill

WDID No.: 4 19S 002767

Inspector: Jeff Mack

Inspection Date: October 31, 2003

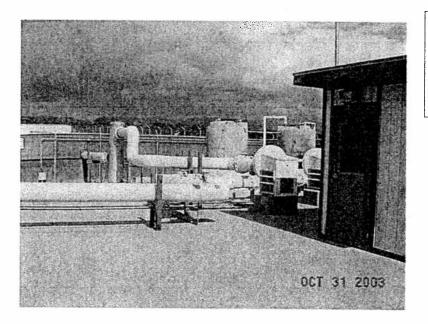


Photo 5

Description: Piping, and associated liquids storage or processing, exist with no structural BMPs in place.

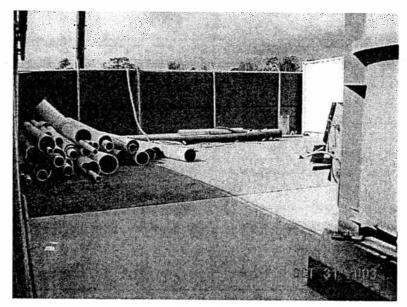


Photo 6

Description: Area within enclosure is situated on an impervious pad.

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|---|--|--|
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| - | | |

STATE OF CALIFORNIA

L06-1N STATE WATER RESOURCES CONTROL BOARD FO

2003-2004 ANNUAL REPORT

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BY

FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2003 through June 30, 2004

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as ar attachment. Retain a copy of the completed Annual Report for your records.

Please circle or highlight any information contained in Items A, B, and C below that is new or revised so we can update our records. Please remember that a Notice of Termination and new Notice of Intent are required whenever a facility operation is relocated or changes ownership.

If you have any questions, please contact your Regional Board Industrial Storm Water Permit Contact. The names, telephone numbers, and e-mail addresses of the Regional Board contacts, as well as the Regional Board Offices addresses are indicated below.

REGIONAL BOARD INFORMATION:

Los Angeles Region 320 W.4th Street, Ste.200 Los Angeles, CA 90013

Sumaira Noreen Tel: (213) 620-6363

Email: snoreen@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Information:

Hewitt Landfill Closed 7361 Laurel Canyon Blvd North Hollywood, CA 91605

WDID No: 4 19I002767

Contact Person: Bill Woyshner Brian Anderson, R.G.

Phone: (323) 258-2777 258 - 2777

SIC Code(s):

Refuse Systems (CLOSED LANDFILL) 4953

B. Facility Operator Information:

Calmat Co.

3200 San Fernando Rd

Los Angeles, CA 90065

Contact Person: Bill Woyshner Bill Bennett

Email:

Phone: (323) 258-2777

C. Facility Billing Information:

Calmat Co.

3200 San Fernando Rd

Los Angeles, CA 90065

Contact Person: Bill Woyshner Trey Whitehead

Email:

Additional Table D Parameters: Fe

Hazardous Waste Facilities, see Table D, Sector K of the Permit for Additional Parameters



September 30, 2003

Western Division

LOS ANGELES REGIONAL WATER BOARD STORM WATER UNIT

320 W. 4th Street, Suite 200 Los Angeles, CA 90013

SUBJECT: NOTICE OF TERMINATION FOR HEWITT LANDFILL (CLOSED)

SITE:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605 (WDID NO.: 419S002767)

To Whom It May Concern:

CalMat Company, Inc. dBA Vulcan Materials Company, Inc. is submitting the Notice of Termination (NOT) to cancel the existing storm water permit (WDID No. 419S002767) at our "closed" landfill facility located at the above address.

Since the storm water runoff from the "closed" landfill operation is not associated with any industrial activity from our operations, we would like to cancel the existing storm water permit. The Hewitt Landfill was capped and closed on November 12, 1975. Over 30% of the landfill site has been paved. A methane collection system and flare was installed and over the years has been expanded in order to control methane gas migration. A detection monitoring system with probes has been installed at the perimeter of the landfill to detect the existence of offsite gas migration.

Enclosed is the application for Notice of Termination, A Summary of Site History and Current Conditions, Photographs, and 2002/2003 Annual Report of Storm Water Discharges.

Should you have any questions or require any additional information, please do not hesitate to call me at (323) 474-3251.

Sincerely,

Bill Woyshner, REA

Regional Environmental Manager

Vulcan Materials Company, Western Division

2092-2003

ANNUAL REPORT

SPECIFIC INFORMATION

D. SAMPLING AND ANALYSIS EXEMPTIONS AND REDUCTIONS

MONITORING AND REPORTING PROGRAM

E.

| 1. | For the accorda | reporting period, was your facility exempt from collecture with sections B.12 or 15 of the General Permit? | cting and an | ıalyzin | g samples from two storm events in |
|-----|------------------------|--|---------------------------------------|--------------------|---|
| | Y | Go to Item D.2 | \boxtimes | NO | Go to Section E |
| 2. | Indicate copy of | the reason your facility is exempt from collecting an the first page of the appropriate certification if you ch | d analyzing eck boxes i | samp i, iii, iv | eles from two storm events. Attach a , or v. |
| | i | Participating in an Approved Group Monitoring Pla | n | Gro | up Name : |
| | ii. | Submitted No Exposure Certification (NEC) | | Date | Submitted: |
| | | Re-evaluation Date: | | | |
| | | Does facility continue to satisfy NEC conditions? | | YES | NO NO |
| | iii. | Submitted Sampling Reduction Certification (S | RC) | Date | Submitted: |
| | | Re-evaluation Date: | | | |
| | | Does facility continue to satisfy SRC conditions? | | YES | NO NO |
| | iv | Received Regional Board Certification | Certifica | tion D | ate: |
| | V | Received Local Agency Certification | | Cetifi | cation Date: |
| 3. | If you che | ecked boxes i or iii above, were you scheduled to sar | mple one st | torm e | vent during the reporting year? |
| | YE | ES Go to Section E | | NO | Go to Section F |
| 4. | If you che | ecked boxes ii, ív, or v, go to Section F. | | | |
| SAN | 1PLING AN | D ANALYSIS RESULTS | | | |
| 1. | How man | ny storm events did you sample? 2 | If less that item D.2. answer " | i or iii. | attach explanation (if you checked above, only attach explanation if you |
| 2. | Did you c scheduled | collect storm water samples from the first storm of the discility operating hours? (Section B.5 of the General | e wet seaso al Permit) | on that | produced a discharge during |
| | \boxtimes | YES | | NO, | attach explanation (Please note that if you do not sample the first storm event, you are still required to sample 2 storm events) |
| 3. | How man | y storm water discharge locations are at your facility | 2 | | |

| 4. | Fo sa | r each storm event sampled, did you collect and analyze a mple from each of the facilitys' storm water discharge locations? | X YES, go | to Item E.6 | ☐ NO |
|-----|-------------|--|---|-------------------------------------|---------------------------------|
| 5. | Wa wit | as sample collection or analysis reduced in accordance h Section B.7.d of the General Permit? | YES | NO, att | ach explanation |
| | If " tha | YES", attach documentation supporting your determination at two or more drainage areas are substantially identical. | | | |
| | Da | te facility's drainage areas were last evaluated | | | |
| 6. | We | ere all samples collected during the first hour of discharge? | X YES | NO, att | ach explanation |
| 7. | Wa wo | as <u>all</u> storm water sampling preceded by three (3) rking days without a storm water discharge? | X YES | NO, atta | ach explanation |
| 8. | We ten | ere there any discharges of stormwater that had been inporarily stored or contained? (such as from a pond) | YES | NO, go | to Item E.10 |
| 9. | cont | you collect and analyze samples of temporarily stored or ained storm water discharges from two storm events? one storm event if you checked item D.2.i or iii. above) | YES | NO, atta | ach explanation |
| 10. | Spe | tion B.5. of the General Permit requires you to analyze storm wate cific Conductance (SC), Total Organic Carbon (TOC) or Oil and G orm water discharges in significant quantities, and analytical para | Grease (O&G) lo | other nollutants lik | ely to be present |
| | a. | Does Table D contain any additional parameters related to your facility's SIC code(s)? | X YES | NO, Go | to Item E.11 |
| | b. | Did you analyze all storm water samples for the applicable parameters listed in Table D? | X YES | □ NO | |
| | C. | If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons: | | | |
| | | In prior sampling years, the parameter(s) have not bee consecutive sampling events. Attach explanation | en detected in si | ignificant quantitie | es from two |
| | | The parameter(s) is not likely to be present in storm w discharges in significant quantities based upon the factorise. | ater discharges illity operator's e | and authorized nevaluation. Attacl | on-storm water h explanation |
| | | Other. Attach explanation | | | |
| 11. | For e | each storm event sampled, attach a copy of the laboratory analytic ts using Form 1 or its equivalent. The following must be provided | cal reports and i d for each samp | report the samplir le collected: | ng and analysis |
| | • | Name and title of sampler. Parameters tested. Name of analytical testing laboratory. Tes Dat | sting results. It methods used It detection limit It of testing. It is is the labor | | esults. |

F. QUARTERLY VISUAL OBSERVATIONS

1. Authorized Non-Storm Water Discharges

| | Sec disc | ection B.3.b of the General Permit requires quarterly visual scharges and their sources. | observations of all a | authorized nor | n-storm water | r |
|----|-------------|--|---|---------------------------------|----------------------------|-------|
| | a. | Do authorized non-storm water discharges occur at you | r facility? | | | |
| | | YES NO Go to Iter | m F.2 | | | |
| | b. | Indicate whether you visually observed all authorized no during the quarters when they were discharged. Attach "N/A" for quarters without any authorized non-storm wat | an explanation for | narges and the | eir sources nswers. Ind | icate |
| | | July -September YES NO N/A | October-December | YES | □ NO □ | N/A |
| | | January-March YES NO N/A | April-June | YES | □ NO □ | N/A |
| | C. | Use Form 2 to report quarterly visual observations of auprovide the following information. | ıthorized non-storm | water dischar | ges or | |
| | | i. name of each authorized non-storm water discharge ii. date and time of observation iii. source and location of each authorized non-storm w iv. characteristics of the discharge at its source and im v. name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or predischarges. Provide new or revised BMP implement | vater discharge pacted drainage are | _ | | ·r |
| 2. | Sect | authorized Non-Storm Water Discharges ction B.3.a of the General Permit requires quarterly visual of sence of unauthorized non-storm water discharges and the | observations of all di Bir sources. | rainage areas | to detect the | ; |
| | a. | Indicate whether you visually observed all drainage area storm water discharges and their sources. Attach an expensive storm water discharges and their sources. | s to detect the prese planation for any | ence of unautl "NO" answer | norized non- | |
| | | July -September X YES NO | October-December | ∑ YES | ☐ NO | |
| | | January-March X YES NO | April-June | X YES | ☐ NO | |
| | b. | Based upon the quarterly visual observations, were any | unauthorized non-st | orm water dis | charges dete | cted |
| | | YES X | NO Go to item F.2 | 2.d | | |
| | C. | Have each of the unauthorized non-storm water dischar | ges been eliminated | d or permitted | ? | |
| | | YES | NO Attach explan | ıation | | |
| | d. | Use Form 3 to report quarterly unauthorized non-storm following information. | water discharge vis | ual observation | ons or provide | e the |
| | | i. name of each unauthorized non-storm water disch date and time of observation. iii. source and location of each unauthorized non-stor characteristics of the discharge at its source and ir name, title, and signature of observer. vi. any corrective actions necessary to eliminate the s discharge and to clean impacted drainage areas. discharge(s) was eliminated or scheduled to be eliminated. | rm water discharge. mpacted drainage a source of each unau Provide date unauth | rea/discharge uthorized non- | storm water | |

2002-2003 ANNUAL REPORT

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

1. Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. Attach an explanation for any "NO" answers. Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

| October | YES | ELICIBLE NO | February | YES | NO ELIGIBLE |
|----------|-------------|----------------|----------|-----|-----------------|
| November | \boxtimes | Storm | March | | EVENT BURINC |
| December | \bowtie | DURING | April | | M- OPERATING |
| January | | D CPERATING | Мау | | |

- 2. Report monthly wet season visual observations using Form 4 or provide the following information:
 - a. date, time, and location of observation
 - b. name and title of observer

areas impacted by run-on

storm water discharges locations

- c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed
- any new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and m n shall nimum

| S | e revised and implemented, as necessary, within 90 days of the evaluation. The chapter teps necessary to complete a ACSCE. Indicate whether you have performed each xplanation for any "NO" answers. | necklist below inc | ludes the minir |
|----|---|-----------------------------------|-----------------|
| 1. | Have you inspected all potential pollutant sources and industrial activities areas? The following areas should be inspected: | X YES | □ NO |
| | outdoor wash and rinse areas process/manufacturing areas loading, unloading, and transfer areas waste storage/disposal areas material stora vehicle/equiping truck parking rooftop equiping vehicle fueling | ment storage are and access areas | as s eas |
| 2. | Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas? | X YES | □ NO |
| 3. | Have you inspected the entire facility to verify that the SWPPP's site map is up-to-date? The following site map items should be verified: | X YES | ☐ NO |
| | facility boundaries outline of all storm water drainage areas storm water collection structural control mea | | |

structural control measures such as catch basins, berms.

containment areas, oil/water separators, etc.

| 4. | Have you reviewed all General Permit compliance reconsince the last annual evaluation? | ords generated | ⊠ YES | □NO |
|--------------|---|--|---|-------------------------------|
| | The following records should be reviewed: | | | |
| | quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities | water discharg • Sampling and | thorized non-storm e visual observatio Analysis records aintenance inspect ce records | |
| 5. | Have you reviewed the major elements of the SWPPP compliance with the General Permit? | to assure | ⋉ YES | NO |
| | The following SWPPP items should be reviewed: | | 2N | |
| | pollution prevention team list of significant materials description of potential pollutant sources | identification ar | potential pollutant and description of the potential po | e BMPs to be |
| 6. | Have you reviewed your SWPPP to assure that a) the tin reducing or preventing pollutants in storm water disc non-storm water discharges, and b) the BMPs are bein The following BMP categories should be reviewed: | harges and authorized | ∑ YES | NO |
| | good housekeeping practices spill response employee training erosion control quality assurance | preventative mmaterial handliwaste handlingstructural BMP | ng and storage pra /storage | octices |
| 7. | Has all material handling equipment and equipment neal implement the SWPPP been inspected? | eded to | ∑ YES | NO |
| ACS | CE EVALUATION REPORT | | | |
| The | facility operator is required to provide an evaluation repo | rt that includes: | | |
| • | identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions | schedule for impany incidents of actions taken. | olementing SWPPF non-compliance ar | Previsions and the corrective |
| Use | Form 5 to report the results of your evaluation or develop | o an equivalent form. | | |
| ACS | CE CERTIFICATION | | | |
| The certi | facility operator is required to certify compliance with the y compliance, both the SWPPP and Monitoring Program | Industrial Activities Sto must be up to date and | rm Water General d be fully implemen | Permit. To ted. |
| Base | ed upon your ACSCE, do you certify compliance with the ities Storm Water General Permit? | Industrial | | NO |
| If you | answered "NO" attach an explanation to the ACSCE E Diance with the Industrial Activities Storm Water General | Evaluation Report why y Permit. | ou are not in | |

1.

J.

2002-2003 ANNUAL REPORT

ATTACHMENT SUMMARY

Answer the questions below to help you determine what should be attached to this annual report. Answer NA (Not Applicable) to questions 2-4 if you are not required to provide those attachments. Have you attached Forms 1,2,3,4, and 5 or their equivalent? YES (Mandatory) If you conducted sampling and analysis, have you attached the laboratory analytical reports? YES NO X NA 3. If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications? YES NO NA X 4. Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J? X YES NO NA ANNUAL REPORT CERTIFICATION I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES STORM WATER GENERAL PERMIT (see Standard Provision C.9) and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those person directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Printed Name: WOYSHNER REGIONAL ENVIRONMENTAL MANAGER



FORM 1-SAMPLING & ANALYSIS RESULTS

FIRST STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank
- When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.

Make additional copies of this form as necessary.

| | | | ANALYTICAL RESULTS For First Storm Event | | | | | | | | | |
|-----------------------------------|------------------------|--------------------------|--|---------|-------|------|-----|------------------|--|--|--|---|
| DESCRIBE DISCHARGE LOCATION | DATE/TIME OF SAMPLE | TIME DISCHARGE | BASIC PARAMETERS | | | | | OTHER PARAMETERS | | | | |
| Example: NW Out Fall | COLLECTION | STARTED | PH | TSS | SC | O&G | TOC | | | | | |
| Outfall 001 | 11/08/02 | ₽ AM 7:00 □ PM | 6.90 | 86 | 183 | 1.3 | | | | | | · |
| | /_/ AM : PM | AM : □ PM | | | | | | | | | | • |
| | /_/ AM : DPM | AM :PM | | | | | | | | | | |
| | /_/ AM : DPM | : PM | | | | | | | | | | |
| TEST REPORTING UNITS: | | pH Units | mg/l | umho/cm | mg/l | mg/l | | | | | | |
| TEST METHOD DETECTION LIMIT: | | 0.01 | 5.0 | 5.0 | 0.5 | | | | | | | |
| TEST METHOD USED: | | 150.1 | 160.2 | 120.1 | 1664 | | | | | | | |
| ANALYZED BY (SELF/LAB): | | AETL* | AETL* | AETL* | AETL* | | | | | | | |

TSS - Total Suspended Solids

SC - Specific Conductance

O&G - Oil & Grease

TOC - Total Organic Carbon

^{*}American Environmental Testing Lab, Inc.

ANNUAL REPORT

FORM 1-SAMPLING & ANALYSIS RESULTS

SECOND STORM EVENT

- If analytical results are less than the detection limit (or non detectable), show the value as less than the numerical value of the detection limit (example: <.05)
- If you did not analyze for a required parameter, do not report "0". Instead, leave the appropriate box blank

When analysis is done using portable analysis (such as portable pH meters, SC meters, etc.), indicate "PA" in the appropriate test method used box.

| NAME OF PERSON COLLECTING SAMPLE(S): Steve McArdle TITLE: Geologist SIGNATURE: | | | | | | | | | | | | | |
|--|--------------------------------------|--------------------------|-------|---|-------|-------|-----|--|------------------|--|--|--|--|
| | | | | ANALYTICAL RESULTS For Second Storm Event | | | | | | | | | |
| DESCRIBE DISCHARGE LOCATION | DATE/TIME OF SAMPLE COLLECTION | DISCHARGE | | BASIC PARAMETERS | | | | | OTHER PARAMETERS | | | | |
| Example: NW Out Fall | | | PH | TSS | sc | O&G | TOC | | | | | | |
| Outfall 001 | | □AM _2:00 1 PM | 7.33 | 531 | 89 | ND | | | | | | | |
| | /_/ AM : DM | AM :PM | | | | | | | | | | | |
| | /_/_ AM : DM | AM :PM | | | | | | | | | | | |
| | /_/_ AM _: DM | AM :PM | | | | | | | | | | | |
| TEST REPORTING UNITS: | | pH Units | mg/l | umho/cm | mg/l | mg/l | | | | | | | |
| TEST METHOD DETECTION LIMIT: | | 0.01 | 5.0 | 5.0 | 0.5 | | | | | | | | |
| TEST METHOD USED: | | 150.1 | 160.2 | 120.1 | 1664 | | | | | | | | |
| ANALYZED BY (SELF/LAB): | | | AETL* | AETL* | AETL* | AETL* | | | | | | | |
| TSS - Total Suspended Solids SC - Specific Conductance O.S.G - Oil & Grosso TOC Tital Suspended Solids | | | | | | | | | | | | | |

SC - Specific Conductance

O&G - Oil & Grease

TOC - Total Organic Carbon

^{*}American Environmental Testing Lab, Inc.

ANNUAL REPORT

SIDE A

FORM 2-QUARTERLY VISUAL OBSERVATIONS OF <u>AUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

- Quarterly dry weather visual observations are required of each authorized NSWD.
- Observe each authorized NSWD source, impacted drainage area, and discharge location.

- Authorized NSWDs must meet the conditions provided in Section D (pages 5-6), of the General Permit.
- Make additional copies of this form as necessary.

| QUARTER: JULY-SEPT. DATE: 9/12/02 | Observers Name: 73; // Bennall Title: Land Fill MGR. Signature: R. | WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER? | ☐ YES | If YES, complete reverse side of this form. |
|---------------------------------------|--|--|-----------|---|
| QUARTER: OCTDEC. DATE: 12/31/02 | Observers Name: Steve McArdle Title: Geologist Signature: Luc Lo | WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER? | YES NO | If YES, complete reverse side of this form. |
| QUARTER: JANMARCH DATE: 03/31/03 | Observers Name: Steve McArdle Title: Geologist Signature: 2 M | WERE ANY AUTHORIZED NSWDS DISCHARGED DURING THIS QUARTER? | YES NO | If YES, complete reverse side of this form. |
| QUARTER: APRIL-JUNE DATE: 05/15/03 | Observers Name: Steve McArdle Title: Geologist Signature: 2 | WERE ANY AUTHORIZED NSWDs DISCHARGED DURING THIS QUARTER? | YES NO | If YES, complete reverse side of this form. |

2002-2003 ANNUAL REPORT

FORM 3-QUARTERLY VISUAL OBSERVATIONS OF <u>UNAUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
- Make additional copies of this form as necessary.

| QUARTER: JULY-SEPT. | | | | |
|--|--|--|-----------|--|
| DATE/TIME OF OBSERVATIONS AM ALIZIDA (6:30 PM | Observers Name: Rill Brune VI Title: Land Fill MGR. Signature: B-W R | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | ☐ YES ☑NO | If YES to either question, complete reverse side. |
| QUARTER: OCTDEC. DATE/TIME OF OBSERVATIONS AM 12/31/02 2:00 PM | Observers Name: Steve McArdle Title: Geologist Signature: Live L? M. | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □ YES ☑NO | If YES to . either question, complete reverse side. |
| QUARTER: JANMARCH DATE/TIME OF OBSERVATIONS AM 03/31/03 4:00 PM QUARTER: APRIL-JUNE | Observers Name: Steve McArdle Title: Geologist Signature: 42 | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | ☐YES ☑NO | If YES to either question, complete reverse side. |
| DATE/TIME OF OBSERVATIONS | Observers Name: Steve McArdle Title: Geglogist Signature: 12 42 | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | ☐ YES ☑NO | If YES to either question, complete reverse side. |



ANNUAL REPORT FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you dld not conduct a monthly visual observation.
 - Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

| | | 1.4 | | | |
|--|--|------------|--|--------------------|---|
| Observation Date: October 31 2002 | Drainage Location Description | #1 None | #2 | #3 | #4 |
| Observers Name: Steve McArdle | | P.M. | P.M. | При | |
| | Observation Time | : A.M. | ; A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M |
| Signature: Geologist 42 MM | | □P.M. | P.M. | ☐ P.M. | □P.M. |
| Signature: XCIM 42 MM | Time Discharge Began Were Pollutants Observed | :A.M. | : A.M. | : A.M. | : |
| | (If yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |
| Observation Date: November 30 2002 | | #1 | #2 | #3 | #4 |
| | Drainage Location Description | None | | | |
| Observers Name: Steve McArdle | | | P.M. | P.M. | |
| | Observation Time | : A.M. | : A.M. | : A.M. | □P,M. : □A.M. |
| Title: Geologist | Time Division | □P.M. | ☐ P.M. | P.M. | |
| Signature: Hun 4? Mr | Time Discharge Began Were Pollutants Observed | :A.M. | : A.M. | : A.M. | ; <u> </u> |
| 3 | (If yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |
| Observation Date: December 31 2002 | | #1 | #2 | #3 | #4 |
| observation bate. December 31 2002 | Drainage Location Description | None | | | |
| Observers Name: <u>Steve McArdle</u> | | | Пои | | |
| | Observation Time | : A.M. | □ P.M. : □ A.M. | □ P.M. : □ A.M. | □P.M. |
| Title: Geologist | | □P.M. | | P.M. | : □A. □P.M. |
| Signature: Here U- UM | Time Discharge Began | : A.M. | ; 🔲 A.M. | : 🗎 A.M. | : A.M. |
| Charles Of Williams | Were Pollutants Observed (If yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |
| Observation Date: January 31 2003 | | #1 | #2 | #3 | #4 |
| Coscivation bate, valually 31 2005 | Drainage Location Description | None | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| Observers Name: Steve McArdle | | P.M. | — — — — — — — — — — — — — — — — — — — | | |
| | Observation Time | : | ☐ P.M. : ☐ A.M. | □ P.M. : □ A.M. | . □P.M. |
| Title: Geologist | | P.M. | P.M. | P.M. | : □A.M. □P.M. |
| Signature: Slew U. M. | Time Discharge Began | : 🗖 A.M. | : 📑 A.M. | : A.M. | : |
| The same of the sa | Were Pollutants Observed (If yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |

ANNUAL REPORT FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

SIDE A

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.

- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.
- Until a monthly visual observation is made, record any eligible storm events that do not result in a storm water discharge and note the date, time, name, and title of who observed there was no storm water discharge.

| | | | 1 2 | | |
|---|---|--|--|--|------------------------------|
| Observation Date: February <u>11</u> 2003 | Drainage Location Description | #1 OF-001 | #2 | #3 | #4 |
| Observers Name; Steve McArdle | | □ P,M. | ☐ P.M. | ☐ P.M. | □ P.M. |
| | Observation Time | 9:00 🗖 A.M. | : 🗎 A.M. | : | : |
| Title: Geologist | | | | ☐ P.M. | ☐ P.N. |
| Signature: Lu 4º Mu | Time Discharge Began | : 🗖 A.M. | : | : A.M. | : ☐ A.M. |
| Signature: X ULL - 4 UM | Were Pollutants Observed | VES D NO IZ | VEC EL NO EL | | |
| V | (If yes, complete reverse side) | YES NO 🗹 | YES NO | YES NO | YES NO |
| Observation Date: Marris 24 , 2000 | | #1 | #2 | #3 | #4 |
| Observation Date: March 31 2003 | Drainage Location Description | None | | | |
| | Brainage Education Description | | | | |
| Observers Name: Steve McArdle | | P.M. | ☐ P.M. | ☐ P.M. | □ P.M. |
| | Observation Time | : A.M. | : 🗖 A.M. | : A.M. | : A.M. |
| Title: Geologist | | □P.M. | ☐ P.M. | ☐ P.M. | P.M. |
| Signature: Helle 42 M | Time Discharge Began | : □A.M. | : 🔲 A.M. | : A.M. | : 🗖 A.M. |
| Signature: | Were Pollutants Observed (If yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |
| 1 | (if yes, complete reverse side) | | .20 | | |
| | | | | | |
| Observation Date: April 30 2003 | | #1 | #2 | #3 | #4 |
| Observation Date: April 30 2003 | Drainage Location Description | #1 None | #2 | #3 | #4 |
| | Drainage Location Description | None | | #3 | |
| Observation Date: April 30 2003 Observers Name: Steve McArdle | | None □P.M. | ☐ P.M. | ☐ P.M. | □ PM |
| Observers Name: Steve McArdle | Drainage Location Description Observation Time | None □ P.M. : □ A.M. | ☐ P.M. : ☐ A.M. | □ P.M. : □ A.M. | : P^4 |
| Observers Name: Steve McArdle | Observation Time | None | ☐ P.M. : ☐ A.M. ☐ P.M. | P.M. : A.M. | : |
| Observers Name: Steve McArdle | Observation Time Time Discharge Began | None □ P.M. : □ A.M. | ☐ P.M. : ☐ A.M. | □ P.M. : □ A.M. | : P^4 |
| Observers Name: Steve McArdle | Observation Time Time Discharge Began Were Pollutants Observed | None | ☐ P.M. : ☐ A.M. ☐ P.M. | P.M. A.M. P.M. A.M. | : |
| Observers Name: Steve McArdle | Observation Time Time Discharge Began | None P.M. A.M. P.M. A.M. NO | : P.M. : A.M. P.M. : A.M. YES NO | : P.M. A.M. P.M. A.M. | : P M . : P.M. : A.M. YES NO |
| Observers Name: Steve McArdle | Observation Time Time Discharge Began Were Pollutants Observed | None P.M. P.M. A.M. P.M. P. | ☐ P.M. : ☐ A.M. ☐ P.M. : ☐ A.M. | P.M. A.M. P.M. A.M. | : P^ 4 : |
| Observers Name: Steve McArdle Title: Geologist Signature: 42 Mm | Observation Time Time Discharge Began Were Pollutants Observed | None P.M. A.M. P.M. A.M. NO | : P.M. : A.M. P.M. : A.M. YES NO | : P.M. A.M. P.M. A.M. | : P M . : P.M. : A.M. YES NO |
| Observers Name: Steve McArdle Title: Geologist Signature: Luc L² Luc Observation Date: May 31 2003 | Observation Time Time Discharge Began Were Pollutants Observed (If yes, complete reverse side) | None P.M. : A.M. : A.M. YES NO #1 None | : P.M. : A.M. : P.M. : A.M. YES NO #2 | : P.M. : A.M. : P.M. : A.M. YES NO #3 | : |
| Observers Name: Steve McArdle Title: Geologist Signature: 42 Mm | Observation Time Time Discharge Began Were Pollutants Observed (If yes, complete reverse side) Drainage Location Description | None P.M. A.M. P.M. A.M. P.M. A.M. YES NO NO NO #1 None | P.M. : | : P.M. : A.M. : P.M. : A.M. YES NO #3 | : |
| Observers Name: Steve McArdle Title: Geologist Signature: Luc L² Luc Observation Date: May 31 2003 Observers Name: Steve McArdle Title: Geologist | Observation Time Time Discharge Began Were Pollutants Observed (If yes, complete reverse side) | None : | P.M. : | P.M. A.M. P.M. P.M. A.M. P.M. A.M. | : |
| Observers Name: Steve McArdle Title: Geologist Signature: Luc L² Luc Observation Date: May 31 2003 Observers Name: Steve McArdle Title: Geologist | Observation Time Time Discharge Began Were Pollutants Observed (If yes, complete reverse side) Drainage Location Description | None P.M. A.M. P.M. A.M. P.M. A.M. YES NO NO NO #1 None | P.M. : | : P.M. : A.M. : P.M. : A.M. YES NO #3 | : |
| Observers Name: Steve McArdle Title: Geologist Signature: Lux L² Lux Observation Date: May 31 2003 Observers Name: Steve McArdle | Observation Time Time Discharge Began Were Pollutants Observed (If yes, complete reverse side) Drainage Location Description Observation Time | None P.M. A.M. P.M. A.M. P.M. P.M. A.M. P.M. A.M. P.M. A.M. P.M. P.M. | #2 P.M. A.M. P.M. P.M. A.M. P.M. A.M. P.M. P.M. | #3 P.M. A.M. P.M. A.M. | : |

FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

| EVALUATION DATE: _ 5 / 7 / 03 | INSPECTOR NA Bill Woyshn | ner | _ TITLE: <u>Region</u> | al Environmental Mgr. SIGNATURE: | 2 W W D |
|---|---|----------------------|--|--|--|
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Material storage and handling areas, Inert waste fill areas, Equipment storage areas, | | ∐ YES ∑ NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP \ implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| Office Space and parking. | ARE ADDITIONAL/REVISED BMPs NECESSARY? | □YES ⊠ NO | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | 1 | YES NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED DBMPs NECESSARY? | YES | | | • |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? |]YES]NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | | NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Vulcan Materials Co. 1801 University Drive Phoenix, AZ 85034

Telephone: (602)258-8818 Attention: Dan Zeller

Number of Pages 14 Date Received 11/08/2002 Date Reported 12/06/2002

| Job Number | Order Date | Client |
|------------|------------|--------|
| 23470 | 11/08/2002 | VULCAN |

Project ID: ROUND #1, 2002-2003

Project Name: Storm Water Monitoring

Site:

The Storage Company

7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Enclosed please find results of analyses of 1 storm water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: G- Mala

Approved By:

Cyrus Razmara, Ph.D. Laboratory Director



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

CHAIN OF CUSTODY RECORD

| COMPANY (1) 1 Pro My L | DIO | | | |
|---|---|--|---|--|
| PROJECT MANAGER GLENN A. ROOM | icals Co-liquinal Cyn (818) Holdings IFAX | 982-6709 | ANALYSIS DECUES | Page of |
| PROJECT NAME STORY Water MI | PROJECT# | D F 1 . 1 | ANALYSIS REQUESTED | TEST INSTRUCTIONS & COMME |
| SITE NAME AND ADDRESS 7261 | Holdings FAX Holdings FAX Mitaring - 2002/2003 - Company @ Laurel Ca | Kound #/_ MYOY | 2 PH | Please Send lesalts + Invoice to: |
| SAMPLE ID LAB ID | DATE TIME MATERY CON | wood NTAINER | Cond Tss Ct, Cop TPH-G Metals-Ma | Glerm A. Brown, Consult Geologist |
| OF-001 23470-01 | 11-8-02 0730 Wotter 2-17 | DE11/012E | 1 | 1 3212 Whitney Lin. |
| | 7-50 | OCLTR POLY | VVV | Burbank, Ca 91504 |
| | 1-12 | SML Pay. | | Please Send results |
| | | | | DVylcan Waterials Q |
| | | | | 1801 Umiver Sity Or. Pheenix, AZ 85034 ATN. Den Zeller |
| | | | | 2) Van Beverent Butche 706 W. Breadway |
| | | | | 1 Silita 201 |
| SAMPLE RECEIPT TO THE | | | | Glendale Ca 91204 ATIN: Steve MS Avidle |
| AL NUMBER OF CONTAINERS | E FILLED BY LABORATORY PROPERLY COOLED (Y) N/NA | RELINQUISHED BY SAMPLER: Signalide: | 1. RELINQUISHED BY: | 2. RELINQUISHED BY: 3. |
| TODY SEALS Y/N/ÑA EIVED IN GOOD COND. TYN | SAMPLES INTACT (\$\frac{1}{2}\) N / NA | Signature Company Comp | MSArche Printed Name: | Signature: |
| | SAMPLES ACCEPTED & / N OUND TIME | 1-8-02 | Time: US30 Date: Time: | Printed Name: |
| NORMAL RUSH | | RECEIVED BY: Signature: | RECEIVED BY: Signature: | 2. RECEIVED BY LABORATORY: 3. |
| , 103h | ☐ SAME DAY ☐ 48 HRS. ☐ 24 HRS. ☐ 72 HRS. | Printed Name: | Printed Name; | Signature Printed Name: |
| RIBUTION: WHITE - Laboratory, CANAI | RY - Laboratory PINK - Project/A | T T | ime: Date: Time; | Date |



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ANALYTICAL RESULTS

Ordered By

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The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

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2

Project ID:

ROUND #1, 2002-2003

Project Name: Sto:

Storm Water Monitoring

AETL Job Number Submitted Cli 23470 11/08/2002 VUL

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID QC Batch No: 11092002 QC Prepared: 11/09/2002 QC Analyzed: 11/09/2002

| Our Eab I.D. Client Sample I.D. | | | | 23470.01 | | | 2 17 63 |
|--|-----|------|--------------|------------|-------------------|-----------------------------|--------------------|
| | | | Method Blank | OF-001 | area and a second | | PERSONAL PROPERTY. |
| Date Sampled | | | 11/08/2002 | 11/08/2002 | | | |
| Date Prepared | | | 11/08/2002 | 1 | | | |
| Preparation Method | | | 5035 | 5035 | | | |
| Date Analyzed | | | | | | | |
| Matrix | | | | 11/09/2002 | | | |
| Units | | | Aqueous | Aqueous | | | |
| Dilution Factor | | | ug/L | ug/L | | | |
| Analytes | | | 1 | 1 | | | |
| | MDL | PQL | Results | Results | | CERTIFICATION OF THE PERSON | HEAT COLORS |
| ΓΡΗ as Gasoline and Light HC. (C4-C12) | 5.0 | 10.0 | ND | ND | | | |

| | | | 23470.01 | TESTER SOME OF THE SOME STREET | |
|--------------------|-----------|--------|----------|--------------------------------|--|
| Surrogates | Con.Limit | % Rec. | % Rec. | | |
| Bromofluorobenzene | 75-125 | 95 | 80 | | |



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3

Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted CIi
23470 11/08/2002 VUL

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40) QC Batch No: 11122002 QC Prepared: 11/12/2002 QC Analyzed: 11/16/2002

| Client Sample I.D. | | | | 23470.01 | | | 建装 |
|---|----------|-----|--------------|------------|------------|---------------|----------|
| Date Sampled | | | Method Blank | OF-001 | | 1275453535555 | A E |
| Date Prepared | | [| 11/08/2002 | 11/08/2002 | | | |
| Preparation Method | | | 11/12/2002 | 11/12/2002 | | | |
| Date Analyzed | | | 3510C | 3510C | | | |
| Matrix | | | 11/16/2002 | 11/16/2002 | | | |
| Units | | | Aqueous | Aqueous | | | |
| Dilution Factor | | | mg/L | mg/L | | | |
| Analytes | <u> </u> | | 1 | 1 | | | |
| PH as Diesel (C12-C23) | MDL | PQL | Results | Results | ansana maa | | D. Maria |
| | 0.1 | 0.5 | ND | 1.24 | 世(公元) 经有限 | SERVER OF | |
| PH as Heavy Hydrocarbons (C23-C40) | 0.1 | 0.5 | ND | 1.07 | | | |
| PH Total as Diesel and Heavy HC.C12-C40 | 0.1 | 0.5 | ND | 2.31 | | | |

| Surrogates | | | 23470.01 | \$2200 HEZWESTREND ALEXES |
|---------------|-----------|--------|----------|---------------------------|
| Chlorobenzene | Con Limit | % Rec. | % Rec. | |
| Chrorobenzene | 75-125 | 98 | 91 | |



an Environmental. Testing La pratory Inc.

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Project ID: ROUND #1, 2002-2003

AETL Job Number | Submitted Clie 11/08/2002

| | | 2002-200. Monito: | - | | 4 | AETL Job Nur | mber Si | ubmitted | Cli |
|-----------------------------|-------|----------------------|--------------|------|----------|--------------|-------------|--------------|--|
| Our Lab I.D. | nacci | . MOIII (O) | | | E-II bee | 23470 | 11 | /08/2002 | VUL |
| Client Sample I.D. | | | | | | | N/A | 23470.01 | 20-10-20-20-20-20-20-20-20-20-20-20-20-20-20 |
| Date Sampled | | | | | | | Method Blar | | |
| Matrix | | | | | | | | 2 11/08/2002 | |
| Analytes | D.F. | Method | Units | MDI | | | Aqueous | Aqueous | |
| Specific conductance | 1 | 120.1 | umhos/cm | MDL | PQL | Analyzed | Results | Results | |
| оН | 1 | 150.1 | | 5.0 | 10.0 | //2002 | 1 | 183 | |
| otal Suspended Solids (TSS) | 1 | 160.2 | pH unit | 0.01 | 0.0 | 1-2/00/2002 | | 6.90 | |
| Dil and Grease | + | 1664 | mg/L | 5.0 | 10.0 | 11/12/2002 | ND | 86 | |
| Calcium | | | mg/L | 0.5 | 1.0 | 11/13/2002 | ND | 1.3 | |
| ead | | 200.7 | mg/L | 0.25 | 0.50 | 11/13/2002 | ND | 19.5 | |
| lickel | - 1 | 200.7 | mg/L | 0.05 | 0.10 | 11/13/2002 | ND | 0.095 | |
| odium | | 200.7 | mg/L | 0.01 | 0.05 | 11/13/2002 | ND | 0.025 | |
| inc | | 200.7 | mg/L | 0.25 | 0.50 | 11/13/2002 | ND | 5.56 | |
| hloride | 1 1 | 200.7 | mg/L | 0.01 | 0.05 | 11/13/2002 | ND | 0.17 | |
| ochemical Oxygen Demand | 1 | 325.3 | mg/L | 0.5 | 1.0 | 11/14/2002 | ND | 7.0 | |
| OD) | 1 | 405.1 | mg/L | 5.0 | 5.0 | 11/13/2002 | ND | 51.0 | |
| nemical Oxygen Demand | 1 | 410.4 | mg/L | 5.0 | 10.0 | 11/08/2002 | ND | 95.7 | |



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Page:

5

Project ID: Project Name:

ROUND #1, 2002-2003

Storm Water Monitoring

AETL Job Number Submitted Cli 23470 11/08/2002 VUL

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch No: 11122002 QC Prepared: 11/12/2002 QC Analyzed: 11/12/2002

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------------------|--------|--------|-----|---------|--------|--------|-----|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | ĺ | % Limit | |
| Specific conductance | 183 | 181 | 1.1 | <15 | 141.30 | 141.30 | 100 | 80-120 | |
| | | | | | | | | | |



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6

Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Cli
23470 11/08/2002 VUL

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 11082002 QC Prepared: 11/08/2002 QC Analyzed: 11/08/2002

| | 014 | T | | T | | | | | | |
|----------|--------|--------|-----|---------|--------|-------|-----|----------|---|---|
| | SM | SM DUP | RPD | SMRPD | LCS | LCS | LCS | LCS/LCSD | | T |
| Analytes | Result | Result | % | % Limit | Concen | Recov | | % Limit | 1 | |
| рН | 6.90 | 6.87 | <1 | <15 | | 7.00 | | 80-120 | | |
| | | | | | | | | 80-120 | | |



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Page:

7

Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Cli
23470 11/08/2002 VUL

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch No: 11122002 QC Prepared: 11/12/2002 QC Analyzed: 11/12/2002

| | | · | | | | | | | | |
|---|--------|--------|-----|---------|--------|-------|-------|----------|----|---|
| 经验证据的证券的证据 | SM | SM DUP | RPD | SM RPD | LCS | LCS | ICS | LCS/LCSD | | T |
| Analytes | Result | Result | % | 0(1: | | | 1 | 1 | j. | |
| AND AND AND AND AND AND AND AND AND AND | | TCSGR | 70 | % Limit | Concen | Recov | % REC | % Limit | | |
| Total Suspended Solids (TSS) | 86 | 84 | 2.4 | <15 | 100.00 | 97.00 | 97 | 00 100 | | |
| | | | | | | 27.00 | | 80~120 | | |



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Page:

Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

23470

Submitted

Cli 11/08/2002 VUL

Method: 1664, Oil and Grease, Gravimetric

QUALITY CONTROL REPORT

QC Batch No: 11132002 QC Prepared: 11/13/2002 QC Analyzed: 11/13/2002

| | LCS | LCS | LCS | LCS/LCSD | | T |] | Т |
|----------------|--------|-------|-------|----------|--------------|---|---|---|
| | Concen | Recov | % REC | % Limit | | į | | |
| Oil and Grease | 10.00 | 9.20 | 92 | 80-120 | | | | ļ |
| | | | | <u> </u> | <u> </u> | i | | ſ |



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Page:

9

Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

Metals (Ca Ph Ni Na Za)

AETL Job Number Submitted Clie
23470 11/08/2002 VULC

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch No: 11122002 QC Prepared: 11/12/2002 QC Analyzed: 11/13/2002

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | Т |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|---|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Calcium | 1.00 | 0.90 | 90 | 1.00 | 0.94 | 94 | 4.3 | 80-120 | <15 | |
| Lead | 1.00 | 0.93 | 93 | 1.00 | 0.98 | 98 | 5.2 | 80-120 | | |
| Nickel | 1.00 | 0.97 | 97 | 1.00 | 0.98 | 98 | 1.0 | 80-120 | <15 | |
| Sodium | 1.00 | 0.97 | 97 | 1.00 | 0.96 | 96 | 1.0 | 80-120 | <15 | |
| Zinc | 1.00 | 0.97 | 97 | 1.00 | 0.97 | 97 | <1 | 80-120 | <15 | |

QC Batch No: 11122002 QC Prepared: 11/12/2002 QC Analyzed: 11/13/2002

| | LCS | LCS | LCS | LCS/LCSD | | | |
|----------|--------|-------|-------|----------|------|------|-------|
| Analytes | Concen | Recov | % REC | % Limit | | | |
| Calcium | 1.00 | 0.96 | 96 | 80-120 | | - | - |
| ead | 1.00 | 0.97 | 97 | 80-120 | | | |
| lickel | 1.00 | 0.98 | 98 | 80-120 | | | ļ |
| odium | 1.00 | 0.95 | 95 | 80-120 | | | |
| inc | 1.00 | 0.97 | 97 | 80-120 | | | ļ |



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Page:

10

Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Clie
23470 11/08/2002 VULC

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 11142002 QC Prepared: 11/14/2002 QC Analyzed: 11/14/2002

| | | | | rea. 11/14/, | 2002 QC A | Analyzed: 1 | 1/14/2002 | | | |
|----------|--------|-------|-------|--------------|-----------|-------------|-----------|--------|---------|---|
| | MS | MS | MS | MS DUD | MODUE | T | | 7 | | |
| Analytes | Concen | Recov | % REC | 1 | 1 | MS DUP | RPD | MS/MSD | MS RPD | |
| Chloride | 20.00 | 20.00 | | Concen | Recov | % REC | | • | % Limit | i |
| | 20.00 | 20.00 | 100 | 20.00 | 20.00 | 100 | <1 | 80-120 | | |
| | | | | | | | | | | |

QC Batch No: 11142002 QC Prepared: 11/14/2002 QC Analyzed: 11/14/2002

| , | | | do i iepa | neu: 11/14/ | 2002 QC | Analyzed: 1 | 1/14/2002 | | |
|----------|--------|--------|-----------|-------------|---------|-------------|-----------|---------------------------------------|--|
| | SM | SM DUP | RPD | SM RPD | LCS | 1.00 | | · · · · · · · · · · · · · · · · · · · | |
| Analytes | Result | Result | % | % Limit | | LCS | LCS | LCS/LCSD | |
| Chloride | 7 | 7 | | | Concen | Recov | % REC | % Limit | |
| | | | <1 | <15 | 20.00 | 20.00 | 100 | 80-120 | |
| | | | | | | | | 11 | |



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Page:

11

Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Clie
23470 11/08/2002 VULC

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

<u>QUALITY CONTROL REPORT</u>

QC Batch No: 11082002 QC Prepared: 11/08/2002 QC Analyzed: 11/13/2002

| | | | | | | - | | | |
|--|--------|--------|-----|-----------|--------------|--------|--------|-----------|---|
| | SM | SM DUP | RPD | T 011 555 | T | r | | | |
| Analytes | | | 5 | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
| CHARLES AND A COMPANY OF THE COMPANY | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | 1 |
| Biochemical Oxygen Demand (BOD) | 6.6 | 7.2 | | | | | ,,,,,, | 70 LITTIL | ı |
| (BOD) | | 1.2 | 8.7 | <15 | 200.00 | 216.00 | 108 | 80-120 | |
| | | | | | | L | | 00 120 | |
| | | | | | | | | | |



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Page:

12

Project ID: Project Name: ROUND #1, 2002-2003

Storm Water Monitoring

AETL Job Number Submitted Cli
23470 11/08/2002 VUL

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

<u>QUALITY CONTROL REPORT</u>

QC Batch No: 11082002 QC Prepared: 11/08/2002 QC Analyzed: 11/08/2002

| | | | | | | manyacu. | 1700/2002 | | | |
|------------------------|--------|-------|-------|--------|--------|----------|-----------|---------|-----------|---|
| | MS | MS | MS | MS DUP | MC DUD | 110 5115 | | 1 | | |
| Analytes | Concen | D | | i | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
| | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chemical Oxygen Demand | 50.00 | 52.00 | 104 | 50.00 | 51.50 | 7.00 | | | /0 LIIIII | 1 |
| | · | | | 30.00 | 31.30 | 103 | <1 | 80-120 | <15 | |
| | | | | | | | | | | |

QC Batch No: 11082002 QC Prepared: 11/08/2002 QC Analyzed: 11/08/2002

| | | | | | | • | | | |
|------------------------|--------|--------|-----|---------|-------|-------|--------------|---------------------|------|
| | SM | SM DUP | RPD | SM RPD | LCS | LCS | 1.00 | 1 | |
| Analytes | Result | Result | % | % Limit | 200 | Recov | LCS % REC | LCS/LCSD % Limit | |
| Chemical Oxygen Demand | 127 | 125 | 1.6 | <15 | 50.00 | 53.00 | 106 | 80-120 | |
| | | | | | | | | L | |



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Page:

13

Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Clie 23470 11/08/2002 VULC

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch No: 11122002 QC Prepared: 11/12/2002 QC Analyzed: 11/16/2002

| W. Mariana | | | | · ca. 11/12/ | 2002 QC J | Analyzed: 1 | 1/16/2002 | | | |
|-------------------------|--------|-------|-------|--------------|-----------|-------------|-----------|---------|---------|--|
| | MS | MS | MS | MS DUD | 140.04. | | | | | |
| Analytes | Concen | Recov | | i | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
| TPH as Diesel (C12-C23) | | | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| (012 023) | 5.00 | 5.10 | 102 | 5.00 | 4.80 | 96 | 6.1 | | | |
| | | | | | | | | 75-125 | <20 | |

QC Batch No: 11122002 QC Prepared: 11/12/2002 QC Analyzed: 11/16/2002

| | | | | 11/12/ | 2002 QC Anal | lyzed: 11 | /16/2002 | | |
|-------------------------|--------|-------|-------|----------|--------------|-----------|----------|---|--|
| Analytes | LCS | LCS | LCS | LCS/LCSD | | | | Ţ | |
| | Concen | Recov | % REC | % Limit | | | į | | |
| TPH as Diesel (C12-C23) | 5.00 | 4.15 | 83 | 75-125 | | | | | |
| | | | | | | | | | |



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Page:

14

Project ID:

ROUND #1, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Clife 23470 11/08/2002 VULC

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID QUALITY CONTROL REPORT

QC Batch No: 11092002 QC Prepared: 11/09/2002 QC Analyzed: 11/09/2002

| | | QC Analyzed: 11/09/2002 | | | | | | | | |
|-------------------------------|--------------|-------------------------|-------------|-----------------|----------------|--------|-----|---------|---------|---|
| Analytes | MS Concen | MS Recov | MS % REC | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | T |
| TPH as Gasoline and Light HC. | 50.00 | 46.00 | 92 | Concen 50.00 | Recov 48.00 | % REC | % | % Limit | % Limit | |
| (C4-C12) | | | | | 40.00 | 96 | 4.3 | 75-125 | <20 | |
| | | | | | | | | | | |

QC Batch No: 11092002 QC Prepared: 11/09/2002 QC Analyzed: 11/09/2002

| | | | четтера | neu. 11/09/2 | 2002 QC A | Analyzed: 1 | 1/09/2002 | | |
|--|--------|-------|---------|--------------|-----------|-------------|-----------|------|--|
| Analytes | LCS | LCS | LCS | LCS/LCSD | | | 1 | | |
| | Concen | Recov | % REC | % Limit | | | 1 | | |
| TPH as Gasoline and Light HC. (C4-C12) | 50.00 | 46.00 | 92 | 75-125 | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |



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Storm Water Limits U.S. EPA Multi-Sector Permit Parameter Benchmark Values

| Parameter BOD (5 days) | Test Me | er Benchmarl | MRG 9 |
|---------------------------|-------------|----------------|-----------------|
| COD (3 days) | 405.1 | 48 Hours | penennark value |
| | 410.4 | 28 Days | 30 mg/L |
| Total Suspended Soli | ds 160.2 | 7 Days | 120 mg/L |
| Oil & Grease (dispers | ed) 1664 | 28 Days | 100 mg/L |
| Nitrate + Nitrite Nitro | gen 300.0 | 28 Days | 15 mg/L |
| Total Phosphorus | 365.2 | 28 Days | 0.68 mg/L |
| pH | 150.1 | Same Day | 2.0 mg/L |
| Acrylonitrile | 624 | 14 Days | 6.0-9.0 s.u. |
| Aluminum, Total | 200.7 | 6 Months | 7.55 mg/L |
| Ammonia | 350.3 | 28 Days | 0.75 mg/L |
| Antimony, Total | 200.7 | 6 Months | 19 mg/L |
| Arsenic, Total | 200.7 | 6 Months | 0.636 mg/L |
| Benzene | 624 | 14 Days | 0.169 mg/L |
| Beryllium, Total | 200.7 | | 0.01 mg/L |
| Butylbenzyl Phthalate | 625 | 6 Months | 0.13 mg/L |
| Cadmium, Total | 200.7 | | 3 mg/L |
| Chloride | 325.3 | 6 Months | 0.0159 mg/L |
| Copper, Total | 200.7 | 28 Days | 860 mg/L |
| Dimethyl phthalate | 625 | 6 Months | 0.0636 mg/L |
| Ethylbenzene | 624 | | 1.0 mg/L |
| Fluoranthene | 625 | 14 Days | 3.1 mg/L |
| Fluoride | 300.0 | * | 0.042 mg/L |
| Iron, Total | 200.7 | 28 Days | 1.8 mg/L |
| Lead, Total | 200.7 | 6 Months | 1.0 mg/L |
| Manganese, Total | 200.7 | 6 Months | 0.0816 mg/L |
| Mercury, Total | 245.2 | 6 Months | 1.0 mg/L |
| Vickel, Total | 200.7 | 28 Days | 0.0024 mg/L |
| PCB-1016 | 608 | 6 Months | 1.417 mg/L |
| CB-1221 | 608 | * | 0.000127 mg/L |
| CB-1232 | 608 | * | 0.10 mg/L |
| CB-1242 | 608 | * | 0.000318 mg/L |
| CB-1248 | | * | 0.00020 mg/L |
| CB-1254 | 608 | * | 0.002544 mg/L |
| CB- 1260 | 608 | * | 0.10 mg/L |
| nenols, Total | 608 | * | 0.10 Hg/L |
| rene | 420.2 | 28 Days | 0.000477 mg/L |
| lenium, Total | 625 | * | 1.0 mg/L |
| ver, Total | 200.7 | 6 Months | 0.01 mg/L |
| luene | 200.7 | 6 Months | 0.239 mg/L |
| chloroethylene | 624 | 14 Days | 0.0318 mg/L |
| | 624 | 14 Days | 10.0 mg/L |
| c, Total | 200.7 | | 0.0027 mg/L |
| to Days Extraction, 40 to | Davis A. J. | 1_0 1740111113 | 0.117 mg/L |

Regional Water Boards may adopt Parameter Benchmark Values that are different than those listed in this table.



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Data Qualifiers and Descriptors

Data Qualifier:

B:

Analyte was present in the Method Blank.

D:

Result is from a diluted analysis.

E:

Result is beyond calibration limits and is estimated.

J:

Analyte was detected. However, the analyte concentration is an estimated value, which is between the

Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi:

Percent acceptable limits.

%REC:

Percent recovery.

Con.L:

Acceptable Control Limits

Conce:

Added concentration to the sample.

LCS:

Laboratory Control Sample

MDL:

Method Detection Limit is a statistically derived number which is specific for each instrument, each method and each compound. It indicates a distinctively detectable quantity with 99% probability.

MS:

Matrix Spike

MS DU:

Matrix Spike Duplicate

ND:

Analyte was not detected in the sample at or above MDL.

PQL:

Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that car be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical

instrumentation and practice.

Recov:

Recovered concentration in the sample.

RPD:

Relative Percent Difference



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Ordered By

Vulcan Materials Co. 1801 Univercity Drive Phoenix, AZ 85034

Telephone: (602)258-8818 Attention: Dan Zeller

Number of Pages 14 Date Received 12/16/2002 Date Reported 01/14/2003

| Job Number | Order Date | Client |
|------------|------------|--------|
| 23917 | 12/16/2002 | VULCAN |

Project ID: ROUND #2, 2002-2003

Project Name: Storm Water Monitoring

Site:

The Storage Company

7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Enclosed please find results of analyses of 1 storm water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: 6 Morel.

Approved By: Chapm

Cyrus Razmara, Ph.D. Laboratory Director



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CHAIN OF CUSTODY RECORD

| PROJECT MANAGER | als co-/Lau | MLCyn He | PHONE FAX | 15//3 41 6 1 6 21 6 20 6 | 2-6709 | | | | 391 | | Page of |
|---|-------------------------|------------------|------------------------------|--------------------------|-------------|--------------|----------|---------------|-----------|-----|--|
| PROJECT MANAGER PROJECT NAME HEALTH STOCK SITE NAME AND | MFAvdle/ | Glenn A. | BRUY | CT # | | 1 1 | 1 | YSIS RE | QUESTE | D | TEST INSTRUCTIONS & COMMENT |
| SITE NAME THE | wher sump Storage Co | 1200 - 2002 | 2/2003 Round 361 Laurel (| 214-01 | 7 | OH TSS Cond. | 664 | | 5 | | Please Sand results |
| ADDRESS | | 1 | both House | THE WAR | ¥ * | 12/2/2 | | Con | 1 | | t invoice to: Glenn A. Brown |
| SAMPLE ID | LAB ID | į. | TIME MATRIX | CONTAINER NUMBER/SIZI | | T T | 0+6-1664 | CL, C | 日日 | | Consulting Geologist |
| OF COL | 23917.01 | 2-16-02 1 | 500 Hzo | 2 IIR Am |) <u>é</u> | | | | V | | 3212 Whitney Ln Burbank, Ca. 9150 |
| 4 | 200 | | | 2-40 MLV 1-125 ML | MY | | | | V | | Please Send results |
| 6 | | | | L-SKLTRP | 4 | V | | V V | | | Only to: |
| | | | | | | | | | | | i) Villean Materials Co. |
| n n | | | | | | | | | | | 1801 University Dr. Phoenix, AZ 85034 ATIN Dan Zeller |
| | | | | | | | 1 | | | | |
| | | | | | | | | | | | Wan Bewern + Butlo 706 W. Broad Way |
| | | | | | | | | | | | Suite 201 ' |
| Sample Ri | ECEIPT - TO B | E FILLED BY | LABORATORY | RELI | NQUISHED BY | | | RELINQUIS | THE DY | | GLENdale, Ca. 91204 ATTN: Steve MSArdle RELINQUISHED BY: |
| TAL NUMBER OF CONTAIN | NERS (C | PROPERLY CO | OLED Y N / NA | 0,7,1 | PLER: | /1. | 1. | Signature: | - TED B1: | 2. | RELINQUISHED BY: 3. |
| STODY SEALS Y/N (NA | | SAMPLES INTA | | - unite | Stelle 11 | 154010 | <i>-</i> | Printed Name: | | | Printed Name; |
| CEIVED IN GOOD COND.(| | SAMPLES ACCE | EPTED Y N | | 12-16-02 | Time: 160 | Chys | Date: | Ti | me: | Date: Time: |
| NORMAL | | OUNDTIME | | Signati | | | 1. | RECEIVED | BY; | 2. | RECEIVED BY LABORATORY: 3. |
| | RUSH | ☐ SAN ☐ 24 H | | RS. | | Time: | | Printed Name: | | | Printed Nathe: |
| STRIBUTION: WHITE - | Laboratory, CANA | RY - Laboratory, | PINK - Project/Acco | unt Manager, Y | ELLOW - Sam | nler/Origin | ator | Date: | Tir | ne: | Date Jalvelon Time: |



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CHAIN OF CUSTODY RECORD

| PROJECT MANAGER | estals Co-/Lo | Mural Cyn. | Heldings PHON | ECT#99-017 Canyly Blud- Cod Ca. 91605 CONTAINER | AETL JOB | No. 23917 | Page of |
|--------------------|-------------------|-----------------|----------------------------------|---|-------------|--|--|
| PROJECT NAME | in MEAVILE | 16/em | 4-Boun | | AN | ALYSIS REQUESTED | |
| Hewith Stor | Milater Sur | 100 m - 2 | PROJ | ECT #00 | OH TSS Cand | | TEST INSTRUCTIONS & COMME |
| SITE NAME TO | 10 Stadora | (1) | 72. 4 | 1214-(1) | 1340 | 1 | Please Send results |
| ADDRESS | ie. sittinge | Contrant, | 136 Lawet | Canva Blod | 1433 | | the Augusta |
| | | • • | North Holly is | leed Ca. 91605 | 1.53 53 | 13 19 | t invoice to: |
| SAMPLE ID | LABID | DATE | TIME MATRIX | CONTAINER | OH TSS | 12 Best 1 | ELEHN A Brown |
| OF CCI | 23917.01 | | | NUMBER/SIZE PRES. | 153 | 300HB | Consulting Geologis |
| 1 | 7 3 1 7 7 . 6 7 | 12-16-02 | 1500 Hzo | 2LIR Amby | | A - ' ' - | 3212 Whitney LA Burhank, Car 9150 |
| | | | | 2-40 MLV64 | 1-1-1-4 | | Burbank, Cat 9150 |
| | | | | 1-125ML POLY | | | |
| , | 1 | | 1 | 1-50CLIRPUN | 1V1 Y | + | Please Send result |
| | | | | luc | TY - | - V V - - - | any to: |
| | | | | | | | |
| | | | | | 1 | | Vulcan Materials Co |
| | | | | | | | 1801 University Dr |
| | | | | | | | Phoenix A7 85034 |
| | | | | | | | Phoenix A7 85034 AII N. Dan Zeller |
| | | | | | | | |
| | | | | | | | 2 Van Belier + Ruklo |
| | | | | | | | - 10 h W. Bonadillar |
| | | | | | | | - Suite, 201 |
| SAMPLE | RECFIPT TO I | 25 50 1 50 5 | Y LABORATORY | | | | ATTN: STEW MSArdle RELINQUISHED BY: |
| AL NUMBER OF CONT. | | DE LIFTED B | YLABORATORY | RELINQUISHED BY SAMPLER: | /1 1. | RELINQUISHED BY: 2 | BELLINOUISHER BY ANDRE |
| TODY SEALS Y/N | 1 1 | | OOLED (Y/N/NA | Som 1 1/2/ | 1/1/2 | Signature: | J. |
| EIVED IN GOOD COND | | | FACT (Y) N / NA | Pril\ed Hame: | SAME | Printed Name: | Signature: |
| TE WY GOOD COMP | | | CEPTED (Y //N | Dale: 12-16-02 RECEIVED BY: | Time: 1 | Date: Time: | Printed Name. |
| | TURN A | ROUND TIME | | RECEIVED BY: | lcc64 | RECEIVED BY: | Data Time: |
| NORMAL | <u></u> | | | Signature: | 7. | | RECEIVED BY LABORATORY: 3. |
| JAONWAL | RUSH | □ s. □ 24 | AME DAY ☐ 48 HF FHRS. ☐ 72 HF | is. | | Signature. | Signature:) |
| | | | LI /Z MF | '5. | | Printed Name. | Printed Name: |
| RIBUTION: WHITE | - Laboratory, CAN | ARY - Laboratan | | epale unt Manager, YELLOW - San | Time: | Date: Time: | Daile Jajuko Time: 11 - 11; |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 1801 Univercity Drive Phoenix, AZ 85034 Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

2

Project ID: Project Name:

ROUND #2, 2002-2003

Storm Water Monitoring

AETL Job Number Submitted Clien 23917 12/16/2002 VULCA

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID QC Batch No: 12232002 QC Prepared: 12/23/2002 QC Analyzed: 12/23/2002

| Our Lab I.D. | | | Marana and | 23917.01 | NEADERS CONTA | Title Company |
|--|----------|------|--------------|----------|---------------|-------------------|
| Client Sample I.D. | <u> </u> | | Method Blank | | | |
| Date Sampled | | | 12/16/2002 | | | |
| Date Prepared | | | 12/16/2002 | | | |
| Preparation Method | | | 5035 | 5035 | | |
| Date Analyzed | | | 12/23/2002 | | | |
| Matrix | | | Aqueous | Aqueous | | |
| Units | | | ug/L | ug/L | | |
| Dilution Factor | | | 1 | ug/15 | | |
| Analytes | MDL | PQL | Results | Results | | |
| TPH as Gasoline and Light HC. (C4-C12) | 5.0 | 10.0 | ND | ND | | |

| Our Lab I-D. | | | 23917.01 | | A STATE OF TAXABLE | Total Salar |
|--------------------|-----------|--------|----------|----------|--------------------|-------------|
| Surrogates | Con.Limit | % Rec. | % Rec. | | | |
| Bromofluorobenzene | 75-125 | 88 | 91 | | | |
| | | | | <u> </u> | | |



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Dan Zeller

Page:

3

Project ID:

ROUND #2, 2002-2003

Project Name:

Storm Water Monitoring

| AETL Job Number | Submitted | Clien |
|-----------------|------------|-------|
| 23917 | 12/16/2002 | VULCA |

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40) QC Batch No: 12192002 QC Prepared: 12/19/2002 QC Analyzed: 12/20/2002

| Our Lab I.D. | | | | 23917.01 | | | |
|--|--|------------|--------------|------------|---------------------|-------------|-----------------|
| Client Sample I.D. | The second secon | | Method Blank | | NAMES OF THE OWNER. | | |
| Date Sampled | | 12/16/2002 | 12/16/2002 | | | | |
| Date Prepared | | 12/19/2002 | 12/19/2002 | | | | |
| Preparation Method | | | 3510C | 3510C | | | |
| Date Analyzed | ***** | | 12/20/2002 | 12/21/2003 | | | |
| Matrix | | Aqueous | Aqueous | | | | |
| Units | | _ | mg/L | mg/L | | | |
| Dilution Factor | | | 1 | 1 | | | |
| Analytes | MDL | PQL | Results | Results | | | (Red Normalian) |
| TPH as Diesel (C12-C23) | 0.1 | 0.5 | ND | 0.33J | | 46556650680 | |
| TPH as Heavy Hydrocarbons (C23-C40) | 0.1 | 0.5 | ND | 0.41J | | | |
| TPH Total as Diesel and Heavy HC.C12-C40 | | | ND | 0.75 | | | |

| Our Lab I.D. | | | 23917.01 | |
|---------------|------------|--------|----------|-----|
| Surrogates | Con. Limit | % Rec. | % Rec. | |
| Chlorobenzene | 75-125 | 105 | 93 | 100 |



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Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page

4

Project ID: ROUND #2, 2002-2003

Project Name: Storm Water Monitoring

AETL Job Number Submitted Client

| Project Name: Storm | water | r Monitoi | ring | | 23917 | | 12/ | 16/2002 | VULCAN | |
|------------------------------|-------|-----------|----------|------------------|--------------------------|------------------|--|---------|----------|---|
| Our Lab I.D. | | 76 | | | | | N/A | | 23917.01 | i de la composition de la composition de la composition de la composition de la composition de la composition |
| Client Sample I.D. | | | | S-250 - SUNSERIO | | | | | -1- 1 | |
| Date Sampled | | | | | | | Method Blank OF-001 12/16/2002 12/16/200 | | | |
| Matrix | | | | | | | | | | |
| Analytes | D.F. | Method | Units | MDL | PQL | Table 1 Assessed | Aqueo | | Aqueous | |
| Specific conductance | 4 | | | <u> </u> | I Real Tribes-by William | Analyzed | Resul | Lts | Results | |
| | | 120.1 | umhos/cm | 5.0 | 10.0 | 12/17/2002 | ND | | 89 | |
| pH | 1 | 150.1 | pH unit | 0.01 | 0.01 | 12/16/2002 | NA | | 7.33 | |
| Total Suspended Solids (TSS) | 1 | 160.2 | mg/L | 5.0 | 10.0 | 12/17/2002 | ND | | 531 | |
| Oil and Grease | 1 | 1664 | mg/L | 0.5 | 1.0 | 12/24/2002 | ND | | ND | |
| Calcium | 1 | 200.7 | mg/L | 0.25 | 0.50 | 12/17/2002 | ND | | 13.9 | |
| Lead | 1 | 200.7 | mg/L | 0.05 | 0.10 | 12/17/2002 | ND | | 0.09J | |
| Nickel | 1 | 200.7 | mg/L | 0.01 | 0.05 | 12/17/2002 | ND | | 0.19 | |
| Sodium | 1 | 200.7 | mg/L | 0.25 | 0.50 | 12/17/2002 | ND | | 4.21 | |
| Zinc | 1 | 200.7 | mg/L | 0.01 | 0.05 | 12/17/2002 | ND | | 0.35 | |
| Chloride | 1 | 325.3 | mg/L | 0.5 | 1.0 | 12/18/2002 | ND | | 4.0 | |
| Biochemical Oxygen Demand | 1 | 405.1 | mg/L | 5.0 | 5.0 | 12/23/2002 | | | | |
| (BOD) | | | 3 - | | 3.0 | 12/23/2002 | ND | | 12.1 | |
| Chemical Oxygen Demand | 1 | 410.4 | mg/L | 5.0 | 10.0 | 12/23/2002 | ND | | 50.7 | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 1801 Univercity Drive Phoenix, AZ 85034 Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

AETL Job Number Submitted

Client

VULCAN

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

5

Project ID:

ROUND #2, 2002-2003

Project Name: Storm Water Monitoring

23917 12/16/2002

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch No: 12172002 QC Prepared: 12/17/2002 QC Analyzed: 12/17/2002

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------------------|--------|--------|-----|---------|--------|--------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Specific conductance | 60 | 60 | <1 | <15 | 141.30 | 141.30 | 100 | 80-120 | |



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ANALYTICAL RESULTS

Ordered By

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The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

6

Project ID:

ROUND #2, 2002-2003

Project Name:

Storm Water Monitoring

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 23917 | 12/16/2002 | VULCAI |
| | | |

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 12162002 QC Prepared: 12/16/2002 QC Analyzed: 12/16/2002

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| рН | 6.77 | 6.77 | <1 | <15 | 7.00 | 7.00 | 100 | 80-120 | |



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ANALYTICAL RESULTS

Ordered By

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The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

7

Project ID:

ROUND #2, 2002-2003

Project Name:

Storm Water Monitoring

| AETL Job Number | Submitted | Clien |
|-----------------|------------|-------|
| 23917 | 12/16/2002 | VULCA |

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch No: 12172002 QC Prepared: 12/17/2002 QC Analyzed: 12/17/2002

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|------------------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Total Suspended Solids (TSS) | 174 | 173 | <1 | <15 | 100.00 | 92.00 | 92 | 80-120 | |



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ANALYTICAL RESULTS

Ordered By

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Dan Zeller

Page:

8

Project ID:

ROUND #2, 2002-2003

Project Name: Storm Water Monitoring

AETL Job Number Submitted Clien
23917 12/16/2002 VULCA

Method: 1664, Oil and Grease, Gravimetric

QUALITY CONTROL REPORT

QC Batch No: 12242002 QC Prepared: 12/24/2002 QC Analyzed: 12/24/2002

| | LCS | LCS | LCS | LCS/LCSD | | T | | |
|----------------|--------|----------------|-------|----------|---|---|--|---|
| Analytes | Concen | Re c ov | % REC | % Limit | ' | | | |
| Oil and Grease | 10.00 | 9.20 | 92 | 80-120 | | | | _ |



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ANALYTICAL RESULTS

Ordered By

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The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

9

Project ID:

ROUND #2, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 23917 12/16/2002 VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch No: 12172002 QC Prepared: 12/17/2002 QC Analyzed: 12/17/2002

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | - |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|---|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Calcium | 1.00 | 1.06 | 106 | 1.00 | 1.10 | 110 | 3.7 | 80-120 | <15 | |
| Lead | 1.00 | 1.03 | 103 | 1.00 | 1.02 | 102 | <1 | 80-120 | <15 | |
| Nickel | 1.00 | 1.01 | 101 | 1.00 | 1.03 | 103 | 2.0 | 80-120 | <15 | |
| Sodium | 1.00 | 1.08 | 108 | 1.00 | 1.10 | 110 | 1.8 | 80-120 | <15 | |
| Zinc | 1.00 | 0.98 | 98 | 1.00 | 1.01 | 101 | 3.0 | 80-120 | <15 | |

QC Batch No: 12172002 QC Prepared: 12/17/2002 QC Analyzed: 12/17/2002

| LCS | LCS | LCS | LCS/LCSD | | *************************************** | | | | T |
|--------|------------------------------|--|--|--|--|--|--|--|---|
| Concen | Recov | % REC | % Limit | | | | The state of the s | | |
| 1.00 | 1.07 | 107 | 80-120 | | | | | | |
| 1.00 | 1.04 | 104 | 80-120 | | | | | | |
| 1.00 | 1.02 | 102 | 80-120 | | | | | | - |
| 1.00 | 1.08 | 108 | 80-120 | | | | | | |
| 1.00 | 1.01 | 101 | 80-120 | | | | | | ļ |
| | 1.00 1.00 1.00 1.00 | Concen Recov 1.00 1.07 1.00 1.04 1.00 1.02 1.00 1.08 | Concen Recov % REC 1.00 1.07 107 1.00 1.04 104 1.00 1.02 102 1.00 1.08 108 | Concen Recov % REC % Limit 1.00 1.07 107 80-120 1.00 1.04 104 80-120 1.00 1.02 102 80-120 1.00 1.08 108 80-120 | Concen Recov % REC % Limit 1.00 1.07 107 80-120 1.00 1.04 104 80-120 1.00 1.02 102 80-120 1.00 1.08 108 80-120 | Concen Recov % REC % Limit 1.00 1.07 107 80-120 1.00 1.04 104 80-120 1.00 1.02 102 80-120 1.00 1.08 108 80-120 | Concen Recov % REC % Limit 1.00 1.07 107 80-120 1.00 1.04 104 80-120 1.00 1.02 102 80-120 1.00 1.08 108 80-120 | Concen Recov % REC % Limit 1.00 1.07 107 80-120 1.00 1.04 104 80-120 1.00 1.02 102 80-120 1.00 1.08 108 80-120 | LCS LCS LCS/LCSD Concen Recov % REC % Limit 1.00 1.07 107 80-120 1.00 1.04 104 80-120 1.00 1.02 102 80-120 1.00 1.08 108 80-120 |



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 1801 Univercity Drive Phoenix, AZ 85034 Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

10

Project ID:

ROUND #2, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 23917 12/16/2002 VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 12182002 QC Prepared: 12/18/2002 QC Analyzed: 12/18/2002

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chloride | 20.00 | 20.00 | 100 | 20.00 | 20.00 | 100 | <1 | 80-120 | <15 | |

QC Batch No: 12182002 QC Prepared: 12/18/2002 QC Analyzed: 12/18/2002

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------|--------|--------|-----|---------|--------|----------------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Re c ov | % REC | % Limit | |
| Chloride | 74 | 74 | <1 | <15 | 20.00 | 20.00 | | 80-120 | |



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ANALYTICAL RESULTS

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Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

11

Project ID: Project Name: ROUND #2, 2002-2003

Storm Water Monitoring

AETL Job Number Submitted Client 23917 12/16/2002 VULCAN

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch No: 12182002 QC Prepared: 12/18/2002 QC Analyzed: 12/23/2002

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|---------------------------------|--------|--------|-----|---------|--------|--------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Biochemical Oxygen Demand (BOD) | ND | ND | <1 | <15 | 200.00 | 196.00 | 98 | 80-120 | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 1801 Univercity Drive Phoenix, AZ 85034 Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

12

Project ID:

ROUND #2, 2002-2003

Project Name:

Storm Water Monitoring

AETL Job Number Submitted Client 23917 12/16/2002 VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch No: 12232002 QC Prepared: 12/23/2002 QC Analyzed: 12/23/2002

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|------------------------|--------|-------|-------|--------|--------|--------|-----|---------|--------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | İ | % Limit | | |
| Chemical Oxygen Demand | 50.00 | 48.00 | 96 | 50.00 | 47.00 | 94 | 2.1 | 80-120 | , , | |
| | | | | L | | | | 00.120 | <13 | |

QC Batch No: 12232002 QC Prepared: 12/23/2002 QC Analyzed: 12/23/2002

| [] T T T T T T T T T T T T T T T T T T | | | | | | | | | |
|---|--------|--------|-----|---------|--------|-------|-----|----------|--|
| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
| Analytes | Result | Result | % | % Limit | Concen | Recov | | % Limit | |
| Chemical Oxygen Demand | 20.8 | 22.2 | 6.5 | <15 | 50.00 | 50.00 | 100 | 80-120 | |
| | | | | 11 | | | | 00 120 | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 1801 Univercity Drive Phoenix, AZ 85034 Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818

Attn:

Dan Zeller

Page:

13

Project ID: Project Name: ROUND #2, 2002-2003

Storm Water Monitoring

AETL Job Number Submitted Client 23917 12/16/2002 VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch No: 12192002 QC Prepared: 12/19/2002 QC Analyzed: 12/21/2003

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|-------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| TPH as Diesel (C12-C23) | 5.00 | 3.95 | 79 | 5.00 | 3.85 | 77 | 2.6 | 75-125 | <20 | |

QC Batch No: 12192002 QC Prepared: 12/19/2002 QC Analyzed: 12/21/2003

| | LCS | LCS | LCS | LCS/LCSD | T | <u> </u> | 1 |
|-------------------------|--------|------|-----|----------|---|----------|---|
| Analytes | Concen | | | % Limit | | | |
| TPH as Diesel (C12-C23) | 5.00 | 3.65 | 73 | 75-125 | | | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 1801 Univercity Drive Phoenix, AZ 85034 Site

The Storage Company 7361 Laurel Canyon Blvd. North Hollywood, CA 91605

Telephone: (602)258-8818 Attn: Dan Zeller

Page:

14

Project ID:

ROUND #2, 2002-2003

Project Name: Storm Water Monitoring

AETL Job Number Submitted Client 23917 12/16/2002 VULCAN

Method: M8015G, TPH as Gasoline and Light Hydrocarbons Using GC/FID QUALITY CONTROL REPORT

QC Batch No: 12232002 QC Prepared: 12/23/2002 QC Analyzed: 12/23/2002

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|-------------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| TPH as Gasoline and Light HC. | 50.00 | 43.00 | 86 | 50.00 | 47.50 | 95 | 9.9 | 75-125 | <20 | |
| (C4-C12) | | | | | | | | | | |

QC Batch No: 12232002 QC Prepared: 12/23/2002 QC Analyzed: 12/23/2002

| 5 · | LCS | LCS | LCS | LCS/LCSD | | | | | |
|-------------------------------|--------|-------|-------|----------|-------------|------|---|---|----------|
| Analytes | Concen | Recov | % REC | % Limit | | | | | |
| TPH as Gasoline and Light HC. | 50.00 | 55.00 | 110 | 75-125 | | | | | |
| (C4-C12) | | | | | | | | | |
| | | | | | | | L | 1 | <u> </u> |



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Data Qualifiers and Descriptors

Data Qualifier:

B: Analyte was present in the Method Blank.

D: Result is from a diluted analysis.

E: Result is beyond calibration limits and is estimated.

J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the Method

Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi:

Percent acceptable limits.

%REC:

Percent recovery.

Con.L:

Acceptable Control Limits

Conce:

Added concentration to the sample.

LCS:

Laboratory Control Sample

MDL:

Method Detection Limit is a statistically derived number which is specific for each instrument, each method, and each compound. It indicates a distinctively detectable quantity with 99% probability.

MS:

Matrix Spike

MS DU:

Matrix Spike Duplicate

ND:

Analyte was not detected in the sample at or above MDL.

PQL:

Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can

be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical

instrumentation and practice.

Recov:

Recovered concentration in the sample.

RPD:

Relative Percent Difference



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Storm Water Limits U.S. EPA Multi-Sector Permit Parameter Benchmark Values

| Parameter | | Holding Time | Benchmark Value |
|----------------------------|-------|--------------|---------------------------|
| BOD (5 days) | 405.1 | 48 Hours | 30 mg/L |
| COD | 410.4 | 28 Days | 120 mg/L |
| Total Suspended Solids | 160.2 | 7 Days | 100 mg/L |
| Oil & Grease (dispersed) | 1664 | 28 Days | 15 mg/L |
| Nitrate + Nitrite Nitrogen | 300.0 | 28 Days | 0.68 mg/L |
| Total Phosphorus | 365.2 | 28 Days | 2.0 mg/L |
| рН | 150.1 | Same Day | 6.0-9.0 s.u. |
| Acrylonitrile | 624 | 14 Days | 7.55 mg/L |
| Aluminum, Total | 200.7 | 6 Months | 0.75 mg/L |
| Ammonia | 350.3 | 28 Days | 19 mg/L |
| Antimony, Total | 200.7 | 6 Months | 0.636 mg/L |
| Arsenic, Total | 200.7 | 6 Months | 0.169 mg/L |
| Benzene | 624 | 14 Days | 0.01 mg/L |
| Beryllium, Total | 200.7 | 6 Months | 0.13 mg/L |
| Butylbenzyl Phthalate | 625 | * | 3 mg/L |
| Cadmium, Total | 200.7 | 6 Months | 0.0159 mg/L |
| Chloride | 325.3 | 28 Days | 860 mg/L |
| Copper, Total | 200.7 | 6 Months | 0.0636 mg/L |
| Dimethyl phthalate | 625 | * | 1.0 mg/L |
| Ethylbenzene | 624 | 14 Days | 3.1 mg/L |
| Fluoranthene | 625 | * | 0.042 mg/L |
| Fluoride | 300.0 | 28 Days | 1.8 mg/L |
| Iron, Total | 200.7 | 6 Months | 1.0 mg/L |
| Lead, Total | 200.7 | 6 Months | 0.0816 mg/L |
| Manganese, Total | 200.7 | 6 Months | 1.0 mg/L |
| Mercury, Total | 245.2 | 28 Days | 0.0024 mg/L |
| Nickel, Total | 200.7 | 6 Months | 1.417 mg/L |
| PCB-1016 | 608 | * | 0.000127 mg/L |
| PCB-1221 | 608 | * | 0.10 mg/L |
| PCB-1232 | 608 | * | 0.000318 mg/L |
| PCB-1242 | 608 | * | 0.00020 mg/L |
| PCB-1248 | 608 | * | 0.002544 mg/L |
| PCB-1254 | 608 | * | 0.10 mg/L |
| PCB- 1260 | 608 | * | 0.000477 mg/L |
| Phenols, Total | 420.2 | 28 Days | 1.0 mg/L |
| yrene | 625 | * | 0.01 mg/L |
| Selenium, Total | 200.7 | 6 Months | 0.239 mg/L |
| Silver, Total | 200.7 | 6 Months | 0.0318 mg/L |
| Coluene | 624 | 14 Days | |
| richloroethylene | 624 | 14 Days | 10.0 mg/L |
| Linc, Total | 200.7 | 6 Months | 0.0027 mg/L 0.117 mg/L |

^{* 7} to Days Extraction, 40 to Days Analysis of the extract.

Regional Water Boards may adopt Parameter Benchmark Values that are different than those listed in this table.

NOTICE OF INTENT

TO COMPLY WITH THE TERMS OF THE
GENERAL PERMIT TO DISCHARGE STORM WATER
ASSOCIATED WITH INDUSTRIAL ACTIVITY (WQ ORDER No. 97-03-DWQ)
(Excluding Construction Activities)



| ECTION I. NOI STATU | US (please check only | one box) | | ere Zu |
|--|---------------------------------------|---|---------------------------------|--|
| L [] New Permittee | B. 🌠 Change | of Information WDID # 14119950 | 10,2,7, | 61711 |
| ECTION II. FACILITY | OPERATOR INFO | DRMATION (See instructions) | | The state of the s |
| \. NAME: | 1 1 1 1 1 1 1 | 11111111111 | | Phone: |
| Vailing Address: | 1.1.1.1.1.1 | 11111111111 | 6. | |
| City: . | <u> </u> | <u> </u> | State: | Zip Code: |
| Contact Person: | I WOYSHINE | <u>R </u> | | - F. To - B |
| B. OPERATOR TYPE: (check one) 1.[] Priva | rate 2.[]City 3.[|]County 4.[]State 5.[]Federal 6.[|]Special Dis | irict 7.[]Gov. Combo |
| ECTION III. FACILITY | SITE INFORMAT | ION | alan sa shiring an a section of | |
| A. FACILITY NAME | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | <u> </u> | | Phone: |
| Focation: | 111111 | 11111111111 | - ಉಪಪತ್ರಿಕ | County: [1] [1] [1] [1] [1] |
| City: 1 1 1 1 1 1 | 1 1 1 1 1 1 1 1 | <u> </u> | State: CIA | Zip Code: |
| B. MAILING ADDRESS: 1312001 SIAINI IF | ERNAINDIO | RPILLILLE | (MA) (MA) (46) (40) | |
| CIN: LPISI IANIGIE | LESIIII | <u>[] </u> | State: QIA | Zip Code: 1900 651-1111 |
| Contact Person: | I WOYISHINIE | Rullini | a) | |
| C. FACILITY INFORMATION Total Size of Site: | N (check one | | Percer | nt of Site Impervious (including rooftops) |
| D. SIC CODE(S) OF REGUL | LATED ACTIVITY: | E. REGULATED ACTIVITY (describe each | SIC code): | |
| 1. <u>A121215</u> | | SELF STORAGE III | 1 1 1 1 | |
| 2. <u>49.1513</u> 1 | | CLIOSEID ILIANDRILLI | 1111 | |
| 3. <u> 1 1 1 1</u> | | | 1 1 1 1 2 | |
| | | | | FOR STATE USE ONLY: |
| | | | | |
| | | | | |

| TION IV. ADDRESS FOR CORRESPONDENCE | |
|--|---|
| I Facility Operator Mailing Address (Section II) Facility Operator Mailing Address (Section III, B.) | l_l Both |
| | |
| CTION V. BILLING ADDRESS INFORMATION William Operator Mailing Address (Section II) WiFacility Mailing Address (Section III) | ction III, B.) []Other (enter information below) |
| :ND BILL TO: []Facility Operator Mailing Address (Section II) | Phone: |
| rme: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | 1_1_11_1_1_1 |
| alling Address: 1 | State: Zip Code: |
| ty: 11:11:11:11:11:11:11:11:11:11:11:11:11 | |
| ontact Person: | |
| CTION VI. RECEIVING WATER INFORMATION | |
| 'our facility's storm water discharges flow: (check one) [] Directly OR [] Indire | ectly to waters of the United States. |
| | |
| lame of receiving water: | |
| | |
| ECTION VII. IMPLEMENTATION OF PERMIT REQUIREMENTS | |
| A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) (check one) A SWPPP has been prepared for this facility and is available for review. A SWPPP will be prepared and ready for review by (enter date): | |
| B. MONITORING PROGRAM (check one) [] A Monitoring Program has been prepared for this facility and is available for review. [] A Monitoring Program will be prepared and ready for review by (enter date):/ | |
| C. PERMIT COMPLIANCE RESPONSIBILITY. Has a person been assigned responsibility for: 1. Inspecting the facility throughout the year to identify any potential pollution problems? 2. Collecting storm water samples and having them analyzed? 3. Preparing and submitting an annual report by July 1 of each year? 4. Eliminating discharges other than storm water (such as equipment or vehicle wash-water) into | |
| TODY STATUS (Co to Section IX if not applicable) | |
| SECTION VIII. REGULATORY STATUS (Go to Section IX if not applicable) | IPDES PÉRMIT CA 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| A WASTE DISCHARGE REQUIREMENT ORDER NUMBER: | |
| SECTION IX. SITE MAP | |
| I HAVE ENCLOSED A SITE MAP YES[] A new NOI submitted without a site map | will be rejected. |
| | |
| SECTION X. CERTIFICATION | ion and supervision in accordance with a system designed to |
| "I certify under penalty of law that this document and all attachments were prepared under my directive assure that qualified personnel property gather and evaluate the information submitted. Based on my those persons directly responsible for gathering the information, the information submitted is, to the those persons directly responsible for gathering the information, including the possibility and aware that there are significant penalties for submitting false information, including the possibility provisions of the permit, including the development and implementation of a Storm Water Pollution Formation with." | pest of thy knowledge and belief deep to certify that the |
| Printed Name: BILL LUCYSHNER | pets 4/28/2023 |
| Sitt 11 | _ Date |
| Title: REGUNAL ENVIRONMENTAL MANA | GEK |

| the common of | | | | |
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STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

2001-2002 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

OA NION X SO

Reporting Period July 1, 2001 through June 30, 2002

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, and C below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be submitted) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov/stormwtr/industrial.html

REGIONAL BOARD INFORMATION:

)S ANGELES REGIONAL WATER BOARD 5-20 W. 4TH STREET, STE 200 LOS ANGELES, CA 90013

SUMAIRA NOREEN Tel: (213) 576-1369

E-mail: snoreen@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 Laurel Canyon Blvd North Hollywood, CA 91605-3711

Facility WDID No:

4 19S002767

B. Facility Operator Information:

Contact Person:

MR. GEORGE COSBY PETER CHIO

MR. GEORGE COSDY PETER CHIU

Tel: (323) 258-2777

Tel: (323) 258-2777

CALMAT CO

3200 N San Fernando Rd

Los Angeles, CA 90065-1415

C. Facility Information:

Contact Person:

Mailing Address:

HEWITT LANDFILL (CLOSED)

7361 Laurel Canyon Blvd

North Hollywood; CA 91605-3711

SIC Code(s):

4953

Refuse Systems

Additional Table D Parameters: Fe

(Hazardous Waste Facilities, see Table D, Sector K of the Permit for Additional Parameters)

2 JEN 10 TO HE

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD 2002-2003 ANNUAL REPORT FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2002 through June 30, 2003

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, and C below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be submitted) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov/stormwtr/ industrial.html.

REGIONAL BOARD INFORMATION:

LOS ANGELES REGIONAL WATER BOARD 320 W. 4TH STREET, STE 200 LOS ANGELES, CA 90013

SUMAIRA NOREEN Tel: (213) 576-1369

Email: snoreen@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

Facility WDID No: 419S002767

B. Facility Operator Information:

Contact Person:

DANZELLER BILL WOYSHUER

Tel: (323) 258-2777

CALMAT CO

3200 SAN FERNANDO BLVD

LOS ANGELES, CA 90065

C. Facility Information:

Contact Person:

Mailing Address:

MR. GEORGE COSBY BILL WOYSH NER

Tel: (323) 258-2777

HEWITT LANDFILL (CLOSED)

7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

3200 SAN FERNANDO RP.

LOS ANGELES CA 90065

SIC Code(s):

4953 Refuse Systems
4225 SELF STORAGE
4953 CLOSED LANDRILL

Additional Table D Parameters: Fe

(Hazardous Waste Facilities, see Table D, Sector K of the Permit for Additional Parameters)





Western Division

April 29, 2003

State Water Resources Control Board Division of Water Quality Attn: Storm Water Section P.O. Box 1977 Sacramento, CA 95812-1977

Ref:

Notice of Intent

(Change of Information)

Dear Sir or Madam:

Please find enclosed Notice of Intent forms requesting change of information for the following facilities:

WDID #419S002249 9436 Glenoaks Blvd. Sun Valley, CA 91352 WDID #419S002767 7361 Laurel Canyon Blvd. North Hollywood, CA 91605-3711

WDID #419S002247
9100 Laural Canyon Blvd.
Sun Valley, CA 91352

WDID #419S002241 11401 W. Tuxford St. Sun Valley, CA 91352

WDID #419S016141 8960 Bradley St. Sun Valley, CA 91352

Bill Woyshner,

Respectfully,

Regional Environmental Manager

Cc Jerry Lindaman
Bill Bennet
Jeff Mack (LA Region 4)

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

E.

| SA | MPLING , | AND A | NALYSIS EXE | MPTIONS AND | REDUCTIONS | <u>}</u> | | |
|-----|------------------|------------------------|-------------------------------------|--|-------------------------------------|------------------------------------|---|---|
| 1. | For the accorda | reportir ince wit | ng period, was th sections B.1 | your facility exe 2 or 15 of the G | empt from collect eneral Permit? | cting and | analyzi | ng samples from two storm events in |
| | | 'ES | Go to Item D | .2 | | \boxtimes | NO | Go to Section E |
| 2. | Indicate copy of | the rea | ason your facili t page of the a | ty is exempt from opropriate certif | d analyzi neck boxe | ng sam _l es ii, iii, | oles from two storm events. Attach a iv, or v. | |
| | i. 🔲 | Parti | cipating in an A | Approved Group | Monitoring Pla | an | Group | Name: |
| | ii. | Subr | nitted No Expo | sure Certificat | ion (NEC) | | Date S | Submitted:/ |
| | | Re-e | valuation Date | : <u> </u> | _ | | | |
| | | Does | s facility continu | ue to satisfy NE | C conditions? | | YES | □ NO |
| | iii. | Subn | nitted Sampli n | g Reduction C | ertification (SI | RC) | Date 9 | Submitted:/ |
| | | Re-e | valuation Date | | | | | |
| | | Does | facility continu | ie to satisfy SR | C conditions? | | YES | □ NO |
| | iv. | Rece | ived Regional | Board Certificat | ion | | Certifi | cation Date:// |
| | v | Rece | vived Local Age | ency Certification | n | | Cetific | ation Date:// |
| 3. | lf you ob | ا مادما | haven to a more | | | | | |
| ٥. | ii you cii | ieckeu | boxes for iii at | ove, were you | scheduled to sa | ample on | e storm | event during the reporting year? |
| | LJ Y | 'ES | Go to Section | ıΕ | | | NO | Go to Section F |
| 4. | If you ch | necked | boxes ii, iv, or | v, go to Section | F. | | | |
| SAN | MPLING AI | ND AN | ALYSIS RESU | _TS | | | | |
| 1. | How mai | ny stori | m events did yo | ou sample? | | item D.2 | 2.i or iii., | ttach explanation (if you checked above, only attach explanation if you offwhorf |
| 2. | Did you o | collect : ed facili | storm water sa ty operating ho | mples from the urs? (Section B | first storm of th | e wet sea ral Permit | ason tha | at produced a discharge during |
| | \boxtimes | YES | | | | | NO, | attach explanation (Please note that if you do not sample the first storm event, you are still required to sample 2 storm events) |
| 3. | How mar | ny storr | n water discha | rge locations ar | e at your facilit | v? | 1 | |

| 4. | For each storm event sampled, did you collect and analyze a sample from each of the facility's' storm water discharge locations? | YES, go to Item E.6 |
|-----|---|--|
| 5. | Was sample collection or analysis reduced in accordance with Section B.7.d of the General Permit? | YES NO, attach explanation |
| | If "YES", attach documentation supporting your determination that two or more drainage areas are substantially identical. | |
| | Date facility's drainage areas were last evaluated// | |
| 6. | Were <u>all</u> samples collected during the first hour of discharge? | YES NO, attach explanation |
| 7. | Was <u>all</u> storm water sampling preceded by three (3) working days without a storm water discharge? | YES NO, attach explanation |
| 8. | Were there any discharges of stormwater that had been temporarily stored or contained? (such as from a pond) | YES NO, go to Item E.10 |
| 9. | Did you collect and analyze samples of temporarily stored or contained storm water discharges from two storm events? (or one storm event if you checked item D.2.i or iii. above) | YES NO, attach explanation |
| 10. | Section B.5. of the General Permit requires you to analyze storm was Specific Conductance (SC), Total Organic Carbon (TOC) or Oil and storm water discharges in significant quantities, and analytical para | Grease (O&G), other pollutants likely to be present in |
| | a. Does Table D contain any additional parameters related to your facility's SIC code(s)? | YES NO, Go to Item E.11 |
| | b. Did you analyze all storm water samples for the applicable parameters listed in Table D? | YES NO |
| | c. If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons: | |
| | ln prior sampling years, the parameter(s) have not be consecutive sampling events. Attach explanation | een detected in significant quantities from two |
| | The parameter(s) is not likely to be present in storm discharges in significant quantities based upon the | |
| | Other. Attach explanation | |
| 11. | For each storm event sampled, attach a copy of the laboratory anal results using Form 1 or its equivalent. The following must be provided | |
| | | Testing results. Test methods used. |

Parameters tested.

Name of analytical testing laboratory. Discharge location identification.

Test detection limits.

F. QUARTERLY VISUAL OBSERVATIONS

| 1. | Authorized Non-Storm Water Discharges Section B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water discharges and their sources. | | | | | | | |
|----|--|----|---|--|--|--|--|--|
| | | a. | Do authorized non-storm water discharges occur at your facility? | | | | | |
| | | | YES NO Go to Item F.2 | | | | | |
| | | b. | Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. Attach an explanation for any "NO" answers . Indicate "N/A" for quarters without any authorized non-storm water discharges. | | | | | |
| | | | July -September YES NO N/A October-December YES NO N/A | | | | | |
| | | | January-March YES NO N/A April-June YES NO N/A | | | | | |
| | | c. | Use Form 2 to report quarterly visual observations of authorized non-storm water discharges or provide the following information. | | | | | |
| | | | i. name of each authorized non-storm water discharge ii. date and time of observation iii. source and location of each authorized non-storm water discharge iv. characteristics of the discharge at its source and impacted drainage area/discharge location v. name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date. | | | | | |
| | Unauthorized Non-Storm Water Discharges Section B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. | | | | | | | |
| | | a. | Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. Attach an explanation for any "NO" answers. | | | | | |
| | | | July -September X YES NO October-December X YES NO | | | | | |
| | | | January-March X YES NO April-June X YES NO | | | | | |
| | | b. | Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected? | | | | | |
| | | | YES NO Go to item F.2.d | | | | | |
| | | C. | Have each of the unauthorized non-storm water discharges been eliminated or permitted? | | | | | |
| | | | YES NO Attach explanation | | | | | |
| | | d. | Use Form 3 to report quarterly unauthorized non-storm water discharge visual observations or provide the following information. | | | | | |
| | | | i. name of each unauthorized non-storm water discharge. ii. date and time of observation. iii. source and location of each unauthorized non-storm water discharge. iv. characteristics of the discharge at its source and impacted drainage area/discharge location. v. name, title, and signature of observer. vi. any corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated. | | | | | |

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge

| | | | | charge locations du he case of tempora | | | | | |
|----|--------------------------------|---|--|---|-----------------------------|---|--|--|-------------------------------------|
| | 1. | locations. Att | t <mark>ach an expla</mark> occurred duri | nthly visual observa nation for any "NO ng scheduled facilit name and title of th | O" answ y operati | ers. Include in ing hours that d | this explanat id not result i | ion whethe n a storm w | r any eligible ater discharge, |
| | | 0-4-5 | YES | NO | | Fobruary | YES | N | 0 |
| | | October | \boxtimes | | | February | \boxtimes | L | |
| | | November | \boxtimes | | | March | \boxtimes | _ | |
| | | December | \boxtimes | | | April | \boxtimes | <u></u> | |
| | | January | \boxtimes | | | May | | | |
| | 2. | · | - | on visual observatio | ns using | Form 4 or pro | vide the follov | ving informa | ation. |
| | | b. name c. charac d. an y ne | and title of ob eteristics of the ew or revised | tion of observation server e discharge (i.e., oc BMPs necessary to sed BMP implemen | reduce | or prevent pollu | rce of any pol utants in storn | lutants obso n water disc | erved. charges. |
| ΝN | IUAL C | OMPREHENS | SIVE SITE CO | OMPLIANCE EVA | ALUATI | ON (ACSCE) | | | |
| • | ACSCE | CHECKLIST | | | | | | | |
| | June 30 be revis steps n |)). Evaluations sed and implem | must be cond ented, as nec nplete a ACS | quires the facility of flucted within 8-16 m lessary, within 90 di CE. Indicate wheth | nonths o ays of th | f each other. T e evaluation. T | he SWPPP a he checklist l | nd monitori pelow includ | ng program shall des the minimum |
| | 1. H | ave you inspect | ted all potentia | al pollutant sources inopostod: | and ind | ustrial activities | areas? | YES | NO |
| | • | the last year outdoor was process/mar loading, unlo waste storag dust/particul erosion area | . h and rinse are nufacturing are pading, and tra ge/disposal are ate generating ss. | eas. ansfer areas. ——— eas. g areas. | | material s vehicle/ec truck park rooftop ec vehicle fu non-storm | epair, remode torage areas quipment stora ing and acces quipment area eling/mainten n water discha | age areas ss areas s ance areas | |
| | p | otential pollutan | nt sources and | PP to assure that its I industrial activities | areas? | | \trianglerighteq | J YES | NO NO |
| | 3. H | ave you inspec up-to-date? T | ted the entire he following s | facility to verify that ite map items shoul | t the SW ld be vei | PPP's site maprified: |), <u> </u> | YES | □ NO |
| | • | | | drainage areas | • | storm water dis storm water co structural conti berms, contain | llection and c rol measures | onveyance such as cat | ch basins, |
| | 4 1 | lava van ravion | ed all Capara | l Permit compliance | n rocard | c generated | | | |

since the last annual evaluation?

ON

| | The following records should be reviewed: | | | | |
|------------|---|----------------|---|---|---------------------------------|
| | quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities | • | quarterly unauthor water discharge vi Sampling and Ana preventative maint and maintenance | sual observation llysis records tenance inspect | |
| 5. | Have you reviewed the major elements of the SWPPP to compliance with the General Permit? | assui | re | YES | NO NO |
| | The following SWPPP items should be reviewed: | | | | |
| | pollution prevention team list of significant materials description of potential pollutant sources | • | assessment of po identification and implemented for e | description of th | e BMPs to be |
| 6. | Have you reviewed your SWPPP to assure that a) the BM in reducing or preventing pollutants in storm water discharges, and b) the BMPs are being it | arges | and authorized | ∑ YES | NO |
| | The following BMP categories should be reviewed: | | | | |
| | good housekeeping practices spill response employee training erosion control quality assurance | • | preventative mai material handling waste handling/s structural BMPs | g and storage pr | actices |
| 7. | Has all material handling equipment and equipment need implement the SWPPP been inspected? | ded to |) | ∑ YES | NO |
| ACS | SCE EVALUATION REPORT | | | | |
| The | facility operator is required to provide an evaluation report | t that | includes: | | , seeming |
| • | identification of personnel performing the evaluation the date(s) of the evaluation | • | schedule for imp any incidents of | | PP revisions and the corrective |
| Use | Form 5 to report the results of your evaluation or develop | an e | quivalent form. | | |
| AC: | SCE CERTIFICATION | | | | |
| The cer | e facility operator is required to certify compliance with the lifty compliance, both the SWPPP and Monitoring Program | Indus must | trial Activities Storr be up to date and | n Water Genera be fully impleme | l Permit. To ented. |
| Bas Act | sed upon your ACSCE, do you certify compliance with the livities Storm Water General Permit? | Indus | trial 🔀 Y | ES |] NO |
| If ye | ou answered "NO" attach an explanation to the ACSCE Enpliance with the Industrial Activities Storm Water General | Evalua Perm | ition Report why yo iit. | ou are not in | |

١.

J.

ATTACHMENT SUMMARY

| Answer the questions below to help you determine what should be atta Applicable) to questions 2-4 if you are not required to provide those at | ached to this annual tachments. | report. Answer | NA (Not |
|--|--|--|---|
| 1. Have you attached Forms 1,2,3,4, and 5 or their equivalent? | XES (Ma | andatory) | |
| 2. If you conducted sampling and analysis, have you attached the laboratory analytical reports? | X YES | ☐ NO | ☐ NA |
| 3. If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications? | YES | NO NO | NA NA |
| Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J? | YES | □ NO | ☐ NA |
| ANNUAL REPORT CERTIFICATION | | | |
| I am duly authorized to sign reports required by the INDUSTRIA PERMIT (see Standard Provision C.9) and I certify under penal were prepared under my direction or supervision in accordance personnel properly gather and evaluate the information submitt who manage the system, or those person directly responsible for submitted is, to the best of my knowledge and belief, true, accusing significant penalties for submitting false information, including the violations. | Ity of law that this of with a system desired. Based on my for gathering the interact and complete | document and a signed to ensur inquiry of the potention, the in the same that a same to the control of the c | all attachments te that qualified erson or persons nformation hat there are |
| Printed Name: PETER CHIU | | | |
| Signature: | | Date: Ju | ne 7,2002 |
| Title: MANAGER, ENVIRONMEN | TAL AFFA | IRS | |
| | | | |

HEWIT,

FORM 3-QUARTERLY VISUAL OBSERVATIONS OF <u>UNAUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
- · Make additional copies of this form as necessary.

| QUARTER: JULY-SEPT 01 DATE/TIME OF OBSERVATIONS AM PM | Observers Name: PETER CHIU Title: MANAGER Signature: | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □ YES XNO | If YES to either question, complete reverse side. |
|--|--|--|-----------|--|
| QUARTER: OCT-DEC 01 DATE/TIME OF OBSERVATIONS [1/260/9:00 | Observers Name: PETER CHILL Title: MONOGER Signature: | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □YES ₩O | If YES to either question, complete reverse side. |
| QUARTER: JAN-MARCH 02 DATE/TIME OF OBSERVATIONS 3 12/02 8:0 | Observers Name: PETER CHIU Title: MANNOC Signature: J. W. C. | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □ YES ⊠NO | If YES to either question, complete reverse side. |
| QUARTER: APRIL-JUNE 02 DATE/TIME OF OBSERVATIONS (10/0) 9:00 | Observers Name: PETER CHIU Title: MANAGER Signature: Gral | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □YES NO | If YES to either question, complete reverse side. |

ANNUAL COPORT FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.

| at all discharge locations. | | | | 110 | #4 |
|--|---|---|---|---|--|
| Observation Date: October 3/2001 | Drainage Location Description | #1 NONE | #2 | #3 | #4 |
| Observers Name: PETER CHILL | Observation Time | ☐ P.M. : ☐ A.M. | P.M. : A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. |
| Title: Manager | Time Discharge Began | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | P.M. : A.M. | ☐ P.M. : ☐ A.M. |
| Signature: Hall | Were Pollutants Observed (If yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |
| | 1, , , , , , , , , , , , , , , , , , , | | | | |
| Observation Date: November 12 2001 | Drainage Location Description | #1 No DiscHARGE | | #3 | #4 |
| Observers Name: PEFER CHUL | Observation Time | 3 :00 □ A.M. | P.M. | : P.M. | P.M.: A.M. |
| Title: Managem | Time Discharge Began | | : P.M. | : P.M. | ; |
| Signature: Sites | Were Pollutants Observed (If yes, complete reverse side) | YES NO NO | YES NO | YES NO | YES NO |
| | | | | | |
| | | | 110 | 1 40 | T #A |
| Observation Date: December 3/ 2001 | Drainage Location Description | #1 NONE | #2 | #3 | #4 |
| Observers Name: Poten C41 ~ | | NoNE □ P.M. : □ A.M. | □ P.M. : □ A.M. | □ P.M. : □ A.M. | □ P.M. : □ A.M |
| Observers Name: PETER CHIW Title: MANDELEK | Observation Time | NONE DP.M. | □ P.M. | ☐ P.M. | |
| Observers Name: Poten C41 ~ | | NoNE | P.M. : A.M. | P.M. : A.M. | □ P.M. : □ A.M □ P.h |
| Observers Name: PETER CHIW Title: MANDELEK | Observation Time Time Discharge Began Were Pollutants Observed | P.M. P.M. | : P.M. : A.M. : P.M. : A.M. : A.M. | : P.M. : A.M. : P.M. : A.M. : A.M. | : P.M. : A.M P.h. : A.M. YES NO |
| Observers Name: Peter C41 ~ Title: Maway Ex Signature: Attal Observation Date: January 3 / 2002 | Observation Time Time Discharge Began Were Pollutants Observed | NoNE | P.M. : A.M. : A.M. | P.M. : | : P.M. : A.M : A.M. YES NO |
| Observers Name: PETER CHIV Title: MANDETEK Signature: Acta | Observation Time Time Discharge Began Were Pollutants Observed (If yes, complete reverse side) Dralnage Location Description | | : P.M. : A.M. : P.M. : A.M. : A.M. | P.M. P.M. P.M. P.M. P.M. A.M. P.M. A.M. P.M. A.M. P.M. P.M. A.M. P.M. P.M. A.M. P.M. P.M. A.M. P.M. P.M. A.M. P.M. P.M. A.M P.I. P |
| Observers Name: Peter C41 ~ Title: Maway Ex Signature: Attal Observation Date: January 3 / 2002 | Observation Time Time Discharge Began Were Pollutants Observed (If yes, complete reverse side) | NowE P.M. | P.M. P.M. P.M. P.M. A.M. P.M. A.M. P.M. A.M. P.M. P.M. A.M. P.M. P.M. A.M. P.M. A.M. P.M. A.M. P.M. : P.M. : A.M : A.M. YES NO |

2001-002

ANNUA EPORT

FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.

| at all discharge locations. | | | | | 11.4 |
|---|---|---|---|---|--------------------------------|
| Observation Date: February 28 2002 | Drainage Locatlon Description | #1 NONE | #2 | #3 | |
| Observers Name: PETER CHIU | Observation Time | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | P.M. : A.M. |
| Title: Manores | Time Discharge Began | ☐ P.M. : ☐ A.M. | : P.M. : A.M. | : P.M. | P.M. : A.M. |
| Signature: Tree | Were Pollutants Observed (If yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |
| Observation Date: March 3/ 2002 | | #1 4 / | #2 | #3 | #4 |
| Observers Name: PETER CHILL | Drainage Location Description | NONE DP.M. | ☐ P.M. | ☐ P.M. | P.M. |
| Title: Marky En | Observation Time | : A.M. | : A.M. | : A.M. | : A.M. |
| Signature: Rec | Time Discharge Began Were Pollutants Observed | : A.M. | : A.M. | : A.M. YES NO D | : A.M. YES NO D |
| | (If yes, complete reverse side) | YES NO | TES [] NO [] | 123 🗀 110 🗀 | |
| | 1 | | | · | · |
| Observation Date: April 30 2002 | Drainage Location Description | #1 Nove | #2 | #3 | #4 |
| Observers Name: PETER CHIU | | NowE □ P.M. : □ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. |
| Observers Name: PETER CHILL Title: MANAGER | Observation Time Time Discharge Began | NowE | ☐ P.M. | ☐ P.M. | P.M. |
| Observers Name: PETER CHIU | Observation Time | Nowe □ P.M. : □ A.M. □ P.M. | ☐ P.M. : ☐ A.M. ☐ P.M. | ☐ P.M. : ☐ A.M. ☐ P.M. | P.M. : A.M. |
| Observers Name: PETER CHILL Title: MANAGER | Observation Time Time Discharge Began Were Pollutants Observed | P.M. P.M. | : P.M. : A.M. : P.M. : A.M. | P.M. A.M. P.M. P.M. : A.M. : P.N' : A. YES NO |
| Observers Name: PETER CHIM Title: MANAGER Signature: Star Observation Date: May 20 2002 | Observation Time Time Discharge Began Were Pollutants Observed | P.M. P.M. | P.M. : A.M. : P.M. : A.M. | P.M. A.M. P.M. P.M. A.M. P.M. P.M. P.M. A.M. P.M. : P.M. : A.M. : A.M. YES NO |
| Observers Name: PETER CHIM Title: MANAGER Signature: STA Observation Date: May 20 2002 Observers Name: PETER CHIM | Observation Time Time Discharge Began Were Pollutants Observed (If yes, complete reverse side) | #1 No DiscHARGE | #2 P.M. A.M. P.M. A.M. P.M. P.M. P.M. | #3 P.M. A.M. P.M. A.M. | P.M. P.M. P.N. P.N. |
| Observers Name: PETER CHIM Title: MANAGER Signature: Star Observation Date: May 20 2002 | Observation Time Time Discharge Began Were Pollutants Observed (If yes, complete reverse side) Drainage Location Description | Now = P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. P.M. | P.M. P.M. | P.M. A.M. P.M. P.M. P.M. P.M. A.M. P.M. A.M. P.M. P.M. P.M. P.M. P.M. |

ANNU REPORT 200

2001-

FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

| EVAILUATION DATE: 6-5-02 | INSPECTOR NAME: Peter L | . Chiu | TITLE: _ | MANAGER SIGNATURE: | Sital |
|---|--|-------------|--|--|--|
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Aggregate Storage, Fueling Area, Truck Washing, Admix | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | ∏YES | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP Implementation NONE | Describe additional/revised BMPs or corrective actions and their date(s) of implementation NONE |
| Storage, Maintenance Area, Return Concrete, RAP, Parking Area | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | · | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | ∏YES ∏NO | If yes, to either question, complete the next two columns of this form | Describe deficiencles in BMPs or BMP Implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | ∏YES | If yes, to either question, complete the next two columns of this form | Describe deficiencles in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | YES | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| · | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

Ordered By

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)323-2777 Attention: Peter Chui

Number of Pages 14

Date Received 12/21/2001

Date Reported 01/08/2002

| Job Number | Order Date | - Client |
|------------|------------|----------|
| 20687 | 12/21/2001 | VULCAN |

Project ID:

ROUND#1 2001-2002

Project Name: Storm Water Monitoring

Calmat Self Storage

Hewitt

Enclosed please find results of analyses of 1 storm water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Cyrus Razmara, Ph.D. Laboratory Director



CHAIN OF CUSTODY L. CORD

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

| COMPANY \ /. IO NA L | / | 1.4 5 | ↑. PHONE | | | AFT | JOB N | Jn. | | 1 | / | 7 | | Page | e of | |
|-------------------------------|---------------|---------------|----------|--|----------------------|------------------|----------|-------------------|--------------------------|--------|-------------|-------------|---|------------------|-------------|----------|
| Vulcim Mate | rig Is Cont | sulmat 1 | J:Y | 323-258 | 5-2777 | - 1 | | | | | <i>2)</i> — | | | i ago | <u> </u> | |
| FIOJECT MANAGER PETER C | hill Car | Mat Seli | = Stora | ge (Hewitt |) | | | Ģ | 1 | QUE | STED | <u> </u> | $T = \begin{bmatrix} 1 & 1 & 1 \end{bmatrix}$ | TEST INSTRUCTION | IS & COMMEN | гs |
| PROJECT NAME STORMWATER | N Nini | | PROJE | ici# 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | | 7 | 5 | 77 | Σ | | 0 | | | Please Se | nd result | 3 |
| SITE NAME | | 101111 | 7 | Circa and | | اير ا | +S | 73 | 70 | | 6 | | | 4 In Voice | . to: | |
| AND | | | | | - | 77 | - | | | | 2 | | | Mr. Glem | _ | |
| AODRESS | | | | · | | 5 |) d | ' | 2 - | 2 | 5/2 | $\sqrt{}$ | | m, Grean | midruwy | 1 |
| SAMPLE ID LAB ID | DATE | TIME | MATRIX | CONTAINER NUMBER/SIZE | PRES. | 04(| Con | 1 11 META 1 C- | C. | CO | 8015 | 8 | | Burbank, C | il. | l |
| OF-001 AE1076 | 00 12/21/01 | 11co | WATER | 2-LTR AM | ₁ 3 | × | | | | | | | | Please Send | | <u>'</u> |
| | | İ | 1 | 1-500mL | | | \times | | | | | | | only to: | | |
| | b | | 6 | 1-500ml 2×40mily 1-125ml | 4 | | | \times | $\langle \times \rangle$ | X | <u> </u> | <u> </u> | $\perp 0$ | Wylcom Mat | erials co | - |
| | | | | | | | | | | | | | | 3200 San 1 | zrnomdo | Rd |
| | | | | | | | | | | | | | | | 90065 | |
| | | | | | | | | | | | | | | Attn: Mr. F | eter Chil | |
| | | | | | | | | | | | | | 1 3 |) Vulcan Mo | |). |
| | | | | | | | | | | | | | | 1801 Unive | rsity Dr. | |
| : | | | | | | | | | | | | | | Phoenix, A | Z 85039 | |
| | | | | | | | | | | | | | | Attn: Dan | Zeller | |
| | | | | | | | | | | | | | 14 | 3) Van Bevere | | ٦ |
| | | | | | | | | | _ | | | | | 706 W. B | | _ |
| | | | | | | | | | | | | | | Glendak, | | |
| | | | | | | | | | | | | | | Attn: Steve | MSAnlle | -1 |
| | | | | | | | | | | | | | | -Suite 201 | | _ |
| SAMPLE RECEIPT | - TO BE FILLE | D BY LAE | ORATO | RY SAM | NOUISHED BY PL€R: | A | 1. | | ELINQI | JISHEI |) BY: | | 2, | RELINQUISHED BY: | | |
| TOTAL NUMBER OF CONTAINERS | 3 6 PROPE | RLY COOLED | Y/N/NA | SigN | CZILAHA DI | - UA | M | s | ionature: | | | | | Signature: | | |
| CUSTODY SEALS Y/N/NA | SAMPL | ES INTACT (Y/ | N/NA | Print | od Name Stells | M | Andle | ايا | rinted Na | me: | | | | Printed Name: | | |
| PECEIVED IN GOOD COND. (Y)/ N | SAMPL | ES ACCEPTED | (Y/h | Date | 12-21-0 | Time | 1150 | D | ate: | | | Time: | | Date: | Time: | |
| Т | URN AROUND TI | ME | | REC | EIVED BY: | | 1. | l n | ECEIVE | D BY: | | | 2. | RECEIVED BY | 3. | |
| | | | | Signi | iture: | | | S | ignature: | | | | | Signary | \sim | |
| ☑ NORMAL □ | RUSH | ☐ SAME DA | | 8 HRS. Printe 2 HRS, | d Name; | <u>۔۔۔۔۔۔۔۔۔</u> | | Pi | rinted Na | me: | | | | Printe game: | -ZAR | |
| | | | | Date | | Time | | D. | ate: | | | Time: | | Date: 12/21/01 | Time: 1150 | , |



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ANALYTICAL RESULTS

| Ordered By | |
|------------------------|--|
| Vulcan Materials Co. | |
| 3200 San Fernando Road | |
| Los Angeles, CA 90065 | |

| S | i | t | e |
|---|---|---|---|
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| Calmat : | Self Sto | orage | | |
|----------|----------|-------|-----|--|
| Hewitt | | | | |
| | | | 117 | |
| | | | | |

Telephone: (323)323-2777 Attn: Peter Chui

Page:

2

Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 20687 | 12/21/2001 | VULCAN |

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 12252001/12252001

| Our Lab I.D. | | | | AE107600 | | |
|--|------|------|--------------|------------|--|--|
| Client Sample I.D. | | | Method Blank | OF-001 | | |
| Date Sampled | | | 12/21/2001 | 12/21/2001 | | |
| Date Prepared | | | 12/25/2001 | 12/25/2001 | | |
| Preparation Method | | | 5030B | 5030B | | |
| Date Analyzed | | | 12/25/2001 | 12/25/2001 | | |
| Matrix | | | Aqueous | Aqueous | | |
| Units | | | ug/L | ug/L | | |
| ution Factor | | | 1 | 1 | | |
| Analytes | MDL | PQL | Results | Results | | |
| Benzene | 0.25 | 0.50 | ND | ND | | |
| Ethylbenzene | 0.25 | 0.50 | ND | ND | | |
| Toluene (Methyl benzene) | 0.25 | 0.50 | ND | ND | | |
| Xylenes (Total) | 0.50 | 1.00 | ND | ND | | |
| Methyl-tert-butyl ether (MTBE) | 0.50 | 1.00 | ND | 7.0 | | |
| TPH as Gasoline and Light HC. (C4-C12) | 5.0 | 10.0 | ND | ND | | |

| Our Lab I.D. | | | AE107600 | -\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ |
|--------------------|-----------|--------|----------|--|
| Surrogates | Con.Limit | % Rec. | % Rec. | |
| Bromofluorobenzene | 75-125 | 114 | 114 | |
| Trifluorotoluene | 75-125 | 121 | 121 | |



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ANALYTICAL RESULTS

| Ordered By | |
|------------------------|--|
| Vulcan Materials Co. | |
| 3200 San Fernando Road | |

Site

| Calmat | Self Storage | |
|--------|--------------|--|
| Hewitt | | |
| | | |

Telephone: (323)323-2777 Attn: Peter Chui

Los Angeles, CA 90065

Page:

3

Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

| | 20 | 687 | | 12/ | 2 |
|------|-----|------|-------|-----|--------|
| | | | | | ****** |
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| T. T | **~ | 1000 | ~ . ~ | | |

AETL Job Number Submitted Client
20687 12/21/2001 VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 12272001/12272001

| Our Lab I.D. | | | | AE107600 | | |
|--|-----|-----|--------------|------------|--|--|
| Client Sample I.D. | | | Method Blank | OF-001 | | |
| Date Sampled | | | 12/21/2001 | 12/21/2001 | | |
| Date Prepared | | | 12/27/2001 | 12/27/2001 | | |
| Preparation Method | | | 3510C | 3510C | | |
| Date Analyzed | | | 12/27/2001 | 12/27/2001 | | |
| Matrix | | | Aqueous | Aqueous | | |
| Units | | | mg/L | mg/L | | |
| ution Factor | | | 1 | 1 | | |
| Analytes | MDL | PQL | Results | Results | | |
| TPH as Diesel (C12-C23) | 0.1 | 0.5 | ND | ND | | |
| TPH as Heavy Hydrocarbons (C23-C40) | 0.1 | 0.5 | ND | ND | | |
| TPH Total as Diesel and Heavy HC.C12-C40 | 0.1 | 0.5 | ND | ND | | |

| Our Lab I.D. | | | AE107600 | | |
|---------------|-----------|--------|----------|--|---|
| Surrogates | Con.Limit | % Rec. | % Rec. | | |
| Chlorobenzene | 75-125 | 94 | 116 | | , |



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4

Project ID:

ROUND#1 2001-2002

Site

Calmat Self Storage Hewitt

AETL Job Number Submitted Client

| Project Name: Storm | Water | Monitor | ing | | | 20687 | 12/ | 21/2001 | VULCAN |
|------------------------------|-------|---------|---|------|------|------------|--------------|------------|--------|
| Our Lab I.D. | | | | | | | N/A | AE107600 | |
| Client Sample I.D. | | | | i | | | Method Blank | OF-001 | |
| Date Sampled | | | | | | | 12/21/2001 | 12/21/2001 | |
| Matrix | | | *************************************** | | | | Aqueous | Aqueous | |
| Analytes | D.F. | Method | Units | MDL | PQL | Analyzed | Results | Results | |
| Specific conductance | 1 | 120.1 | umhos/cm | 5.0 | 10.0 | 12/27/2001 | ND | 234 | |
| рН | 1 | 150.1 | pH unit | 0.01 | 0.01 | 12/21/2002 | NA | 7.03 | |
| Total Suspended Solids (TSS) | 1 | 160.2 | mg/L | 5.0 | 10.0 | 12/21/2001 | ND | 21 | |
| Oil and Grease | 1 | 1664 | mg/L | 0.5 | 1.0 | 01/02/2002 | ND | ND | |
| *cium | 1 | 200.7 | mg/L | 0.25 | 0.50 | 12/27/2001 | ND | 29.0 | |
| D _E | 1 | 200.7 | mg/L | 0.05 | 0.10 | 12/27/2001 | ND | ND | |
| Nickel | 1 | 200.7 | mg/L | 0.01 | 0.05 | 12/27/2001 | ND | 0.02J | |
| Sodium | 1 | 200.7 | mg/L | 0.25 | 0.50 | 12/27/2001 | ND | 7.61 | |
| Zinc | 1 | 200.7 | mg/L | 0.01 | 0.05 | 12/27/2001 | ND | 0.08 | |
| Chloride | 1 | 325.3 | mg/L | 0.5 | 1.0 | 01/02/2002 | ND | 10 | |
| Biochemical Oxygen Demand | 1 | . 405.1 | mg/L | 5.0 | 5.0 | 12/26/2001 | ND | 14 | |
| (BOD) | | | | | | | | | |
| Chemical Oxygen Demand | 1 | 410.4 | mg/L | 5.0 | 10.0 | 12/26/2001 | ND | 52 | |



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ANALYTICAL RESULTS

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|--|-----|-----|----|----|
|--|-----|-----|----|----|

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Calmat Self Storage Hewitt

Telephone: (323)323-2777

Attn:

Peter Chui

Page:

5

Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 20687 | 12/21/2001 | VULCAN |

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 12272001 / 12272001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | , | |
|----------------------|--------|--------|-----|---------|--------|--------|-------|----------|---|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
| Specific conductance | 66,600 | 66,400 | <1 | <15 | 141.30 | 139.89 | 99 | 80-120 | | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065

| S | i | t | е |
|---|---|---|---|
| | | | |

Calmat Self Storage Hewitt

Telephone: (323)323-2777 Attn: Peter Chui

Page:

6

Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 20687 | 12/21/2001 | VULCAN |
| | | |

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 12212001/12212001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| рН | 6.77 | 6.79 | <1 | <15 | 7.00 | 7.00 | 100 | 80-120 | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065 Site

| Calmat S | elf: | Sto | age | ं |
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| | 153 | | | ú |

Hewitt

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Page:

7

Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

| AETL Job Number | Submitted | - Client |
|-----------------|------------|----------|
| 20687 | 12/21/2001 | VULCAN |

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 12212001/12212001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|------------------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Total Suspended Solids (TSS) | ND | ND | <1 | <15 | 100.00 | 94.00 | 94 | 80-120 | |



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| Ordered By | |
|------------------------|--|
| Vulcan Materials Co. | |
| 3200 San Fernando Road | |
| Los Angeles, CA 90065 | |

| Site | |
|--------|--------------|
| Calmat | Self Storage |
| Hewitt | |
| | |

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Page:

8

Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 20687 | 12/21/2001 | VULCAN |

Method: 1664, Oil and Grease, Gravimetric

QUALITY CONTROL REPORT

QC Batch Number: 01022002/01022002

| | LCS | LCS | LCS | LCS/LCSD | | | |
|----------------|--------|-------|-------|----------|--|--|-----|
| Analytes | Concen | Recov | % REC | % Limit | | | |
| Oil and Grease | 10.00 | 9.70 | 97 | 80-120 | | | · · |



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Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065 Site

| Calmat Self | Storage | |
|-------------|---------|--|
| Hewitt | | |
| | | |

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Page:

9

Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 20687 | 12/21/2001 | VULCAN |

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 12262001/12262001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Calcium | 1.00 | 1.09 | 109 | 1.00 | 1.10 | 110 | <1 | 80-120 | <15 | |
| Lead | 1.00 | 1.00 | 100 | 1.00 | 1.01 | 101 | <1 | 80-120 | <15 | |
| Nickel | 1.00 | 1.04 | 104 | 1.00 | 1.05 | 105 | <1 | 80-120 | <15 | |
| Sodium | 1.00 | 1.07 | 107 | 1.00 | 1.08 | 108 | <1 | 80-120 | <15 | |
| 10 | 1.00 | 1.00 | 100 | 1.00 | 1.01 | 101 | <1 | 80-120 | <15 | |

QC Batch Number: 12262001/12262001

| | LCS | LCS | LCS | LCS/LCSD | | | |
|----------|--------|-------|-------|----------|--|--|--|
| Analytes | Concen | Recov | % REC | % Limit | | | |
| Calcium | 1.00 | 1.09 | 109 | 80-120 | | | |
| Lead | 1.00 | 1.00 | 100 | 80-120 | | | |
| Nickel | 1.00 | 1.04 | 104 | 80-120 | | | |
| Sodium | 1.00 | 1.07 | 107 | 80-120 | | | |
| Zinc | 1.00 | 1.02 | 102 | 80-120 | | | |



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ANALYTICAL RESULTS

Ordered By

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Site

| Calmat Self S | torage | | |
|---------------|--------|--|--|
| Hewitt | | | |
| | | | |

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Page:

10

Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 20687 | 12/21/2001 | VULCAN |

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 01022002/01022002

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chloride | 20.00 | 20.00 | 100 | 20.00 | 19.00 | 95 | 5.1 | 80-120 | <15 | |

OC Batch Number: 01022002/01022002

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Chloride | 745 | 745 | <1 | <15 | 20.00 | 20.00 | 100 | 80-120 | |



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ANALYTICAL RESULTS

| Ordered By | 0: | rd | er | ed | Ву |
|------------|----|----|----|----|----|
|------------|----|----|----|----|----|

Vulcan Materials Co. 3200 San Fernando Road Los Angeles, CA 90065

Calmat Self Storage

Hewitt

Telephone: (323)323-2777 Peter Chui Attn:

Page:

11

Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

Client AETL Job Number Submitted 12/21/2001 VULCAN 20687

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 12212001/12212001

| | | | | | | | | | |
|---------------------------------|--------|--------|-----|---------|--------|--------|-------|----------|------|
| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Biochemical Oxygen Demand (BOD) | 14 | 13 | 7.4 | <15 | 200.00 | 184.00 | | 80-120 | ì |



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ANALYTICAL RESULTS

Ordered By

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Calmat Self Storage Hewitt

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Page:

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12

Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

| AETL Job Number | -Submitted - | Client |
|-----------------|--------------|--------|
| 20687 | 12/21/2001 | VULCAN |

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 12262001/12262001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chemical Oxygen Demand | 50.00 | 47.50 | 95 | 50.00 | 48.00 | 96 | 1.0 | 80-120 | <15 | |

OC Batch Number: 12262001/12262001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|------------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Chemical Oxygen Demand | 120 | 119 | <1 | <15 | 50.00 | 49.50 | 99 | 80-120 | |



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Ordered By

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Calmat Self Storage Hewitt

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13

Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 20687 | 12/21/2001 | VULCAN |
| | | |

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QUALITY CONTROL REPORT

QC Batch Number: 12252001/12252001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|--------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|---|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Benzene | 50.00 | 40.50 | 81 | 50.00 | 40.50 | 81 | <1 | 75-125 | <20 | |
| Ethylbenzene | 50.00 | 48.00 | 96 | 50.00 | 47.00 | 94 | 2.1 | 75-125 | <20 | |
| Toluene (Methyl benzene) | 50.00 | 49.00 | 98 | 50.00 | 48.00 | . 96 | 2.0 | 75-125 | <20 | |
| , cs | | | | | | | | | | · |
| ylene | 50.00 | 49.00 | 98 | 50.00 | 48.00 | 96 | 2.0 | 75-125 | <20 | |
| m,p-Xylenes | 100.00 | 84.00 | 84 | 100.00 | 83.00 | 83 | 1.2 | 75-125 | <20 | |

QC Batch Number: 12252001/12252001

| | LCS | LCS | LCS | LCS/LCSD | | | |
|--------------------------|--------|-------|-------|----------|--|--|--------------|
| Analytes | Concen | Recov | % REC | % Limit | | | |
| Benzene | 50.00 | 40.50 | 81 | 75-125 | | | |
| Ethylbenzene | 50.00 | 47.00 | 94 | 75-125 | | | <u> </u> |
| Toluene (Methyl benzene) | 50.00 | 48.50 | 97 | 75-125 | | | |
| LCS | | | | | | | Page 1 |
| o-Xylene | 50.00 | 48.00 | 96 | 75-125 | | | |
| m,p-Xylenes | 100.00 | 83.00 | 83 | 75-125 | | | <u> </u> |



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • www.aetlab.com

ANALYTICAL RESULTS

| Ordered | Ву | | | | | | | | |
|-------------|-----------|------|-----------------|---------------|-------------|-----|---------------|-----|-----|
| Vulcan Mate | erials Co |). | F | rigina Vel | lud Gale | #8. | .4)13 -:00 | | |
| 3200 San Fe | mando | Road | - " <i>></i> | 4.1 | (N. | 발근당 | . 3.T | ¥ . | i i |

| S | it∈ | 9 |
|---|-----|---|
|---|-----|---|

| Calmat Self Storage | Telegraphic Telegraphic | |
|---------------------|----------------------------|--|
| Hewitt | | |
| 발표 왕의 발발 | | |

Telephone: (323)323-2777 Attn: Peter Chui

Los Angeles, CA 90065

Page:

14

Project ID:

ROUND#1 2001-2002

Project Name:

Storm Water Monitoring

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 20687 | 12/21/2001 | VULCAN |

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch Number: 12272001/12272001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|-------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| TPH as Diesel (C12-C23) | 25.00 | 25.00 | 100 | 25.00 | 25.00 | 100 | <1 | 75-125 | <20 | |

OC Batch Number: 12272001/12272001

| Š | | LCS | LCS | LCS | LCS/LCSD | | | |
|---|--|--------|-------|-------|----------|--|--|--|
| | まして、1947年2月2日 (1947年2月2日 - 1947年2月2日 - 1947年2月1日 - 1947年 | Concen | Recov | % REC | % Limit | | | |
| l | TPH as Diesel (C12-C23) | 25.00 | 24.50 | 98 | 1 | | | |



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Data Qualifiers and Descriptors

Data Qualifier:

B: Analyte was present in the Method Blank.

D: Result is from a diluted analysis.

E: Result is beyond calibration limits and is estimated.

J: Analyte was detected. However, the analyte concentration is an estimated value, which is between the

Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi: Percent acceptable limits.

%REC: Percent recovery.

Con.L: Acceptable Control Limits

Conce: Added concentration to the sample.

LCS: Laboratory Control Sample

MDL: Method Detection Limit is a statistically derived number which is specific for each instrument, each method,

and each compound. It indicates a distinctively detectable quantity with 99% probability.

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can

be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical

instrumentation and practice.

Recovered concentration in the sample.

RPD: Relative Percent Difference

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

2000-2001 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2000 through June 30, 2001

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, and C below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be submitted) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov.

REGIONAL BOARD INFORMATION:

OS ANGELES REGIONAL WATER BOARD _0 W. 4TH STREET, SUITE 200 LOS ANGELES, CA 90013

DAN RADULESCU (213) 576-6668

E-mail: dradules@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

Facility WDID No:

4 19S002767

B. Facility Operator Information:

CALMAT CO

Contact Person:

3200 SAN FERNANDO BLVD.

MR. GEORGE COSBY PETER CHIL

(323) 258-2777

LOS ANGELES, CA 90065

C. Facility Information:

Contact Person:

Mailing Address: HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD.

MR. GEORGE COSBY PETER CHIU (323) 258-2777

LOS ANGELES, CA 91605

SIC Code(s):

4953

Refuse Systems

Additional Table D Parameters: Fe

Waste Discharge Order No:

(Hazardous Waste Facilities, see Table D, Sector K of the Permit)

4000-200 I

ANNUAL REPORT

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

| D. | SAI | MPLING A | AND AN | ALYSIS EXEMP | HONS AND REL | DUCTIONS | | | |
|----|-----|--------------------|----------------------|--|--|------------------------------|----------------------|-------------------------|---|
| | 1. | For the raccordar | eporting nce with | g period, was you sections B.12 o | or facility exempt or 15 of the Gener | from collecti ral Permit? | ng and a | analyzir | ng samples from two storm events in |
| | | ☐ Y | ES | Go to Item D.2 | | | \bowtie | NO | Go to Section E |
| | 2. | Indicate copy of t | the reas he first | son your facility is page of the appr | s exempt from co opriate certificati | ollecting and on if you che | analyzir ck boxe | ng samp s ii, iii, i | oles from two storm events. Attach a v, or v. |
| | | i | Partici | ipating in an App | roved Group Mo | nitoring Plan | | Group | Name: |
| | | ii. | Subm | itted No Exposu | re Certification | (NEC) | | Date S | Submitted:/ |
| | | | Re-ev | aluation Date: _ | 1 1 | | | | |
| | | | Does | facility continue t | o satisfy NEC co | onditions? | | YES | □ NO |
| | | iii. | Submi | itted Sampling F | Reduction Certif | ication (SR | C) | Date S | Submitted: |
| | | | Re-ev | aluation Date: _ | | | | | |
| | | | Does | facility continue t | o satisfy SRC co | enditions? | | YES | NO |
| | | iv. | Receiv | ved Regional Bo | ard Certification | | | Certifi | cation Date: |
| | | v | Receiv | ved Local Agenc | y Certification | | | Cetific | cation Date:/ |
| | 3. | If you ch | ecked b | oxes i or iii abov | e, were you sche | eduled to sar | mple on | e storm | event during the reporting year? |
| | | Y | ES | Go to Section E | | | | NO | Go to Section F |
| | 4. | If you ch | ecked b | oxes ii, iv, or v, ç | go to Section F. | | | | |
| E. | SAM | IPLING AI | ND ANA | LYSIS RESULT: | <u>S</u> | | | | |
| | 1. | How mar | ny storm | n events did you | sample? _ | | | 2.i or iii. | attach explanation (if you checked above, only attach explanation if you |
| | 2. | Did you o | collect sed facility | torm water samp y operating hours | les from the first ? (Section B.5 c | storm of the | wet sea al Permit | ason th | at produced a discharge during |
| | | \boxtimes | YES | | | | | NO, | attach explanation (Please note that if you do not sample the first storm event, you are still required to sample 2 storm events) |
| | 3. | How mar | ny storm | ı water discharge | locations are at | your facility | ? | | |

| 4. | For e | each storm event sampled, did you collect and analyze a ple from each of the facilitys' storm water discharge locations? | YES, go to | o Item E.6 | ☐ NO |
|-----|---------------|---|--|---|------------------------------------|
| 5. | Was with | sample collection or analysis reduced in accordance Section B.7.d of the General Permit? | YES | NO, atta | ch explanation |
| | If "Y that | ES", attach documentation supporting your determination two or more drainage areas are substantially identical. | | | |
| | Date | e facility's drainage areas were last evaluated// | | | |
| 6. | Wer | re all samples collected during the first hour of discharge? | X YES | NO, atta | ach explanation |
| 7. | Was | s <u>all</u> storm water sampling preceded by three (3) king days without a storm water discharge? | X YES | NO, att | ach explanation |
| 8. | Wei tem | re there any discharges of stormwater that had been porarily stored or contained? (such as from a pond) | YES | NO, go | to Item E.10 |
| 9. | conta | you collect and analyze samples of temporarily stored or ained storm water discharges from two storm events? one storm event if you checked item D.2.i or iii. above) | YES | NO, at | tach explanation |
| 10. | | ion B.5. of the General Permit requires you to analyze storm w cific Conductance (SC), Total Organic Carbon (TOC) or Oil and m water discharges in significant quantities, and analytical par | i Glease (Oag), o | ither politicality in | icily to be procent in |
| | a. | Does Table D contain any additional parameters related to your facility's SIC code(s)? | X YES | ☐ NO, G | o to Item E.11 |
| | b. | Did you analyze all storm water samples for the applicable parameters listed in Table D? | YES | NO NO | |
| | C. | If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons: | | | |
| | | In prior sampling years, the parameter(s) have not consecutive sampling events. Attach explanatio | been detected in | significant quanti | ties from two |
| | | The parameter(s) is not likely to be present in stor discharges in significant quantities based upon the | m water discharge e facility operator's | es and authorized s evaluation. Atta | non-storm water ach explanation |
| | | Other. Attach explanation | | | |
| 11 | . For | each storm event sampled, attach a copy of the laboratory an ults using Form 1 or its equivalent. The following must be pro | alytical reports and vided for each san | d report the samp | oling and analysis |
| | • | Date and time of sample collection Name and title of sampler. Parameters tested. Name of analytical testing laboratory. Discharge location identification. | Testing results. Test methods us Test detection li Date of testing. Copies of the la | | al results. |
| | | | | | |

F. QUARTERLY VISUAL OBSERVATIONS

1.

2.

| Secti | orized Non-Storm Water Discharges on B.3.b of the General Permit requires quarterl arges and their sources. | y visual observ | ations of all aut | thorized non- | storm wa | ater | | | | |
|-------|---|---|---|--------------------------------|-----------|------------|--|--|--|--|
| a. | Do authorized non-storm water discharges occur at your facility? | | | | | | | | | |
| | YES NO | Go to Item F.2 | | | | | | | | |
| b. | Indicate whether you visually observed all auth during the quarters when they were discharged "N/A" for quarters without any authorized non-s | l. Attach an ex | planation for | | | | | | | |
| | July -September YES NO N/A | Octob | er-December | YES | □ NO | □ N/A | | | | |
| | January-March YES NO N/A | April- | June | YES | □ NO | □ N/A | | | | |
| C. | Use Form 2 to report quarterly visual observation provide the following information. | ions of authoriz | ed non-storm w | vater dischar | ges or | | | | | |
| | i. name of each authorized non-storm water ii. date and time of observation iii. source and location of each authorized no iv. characteristics of the discharge at its source v. name, title, and signature of observer vi. any new or revised BMPs necessary to redischarges. Provide new or revised BMP | n-storm water of ce and impacte duce or preven | d drainage area | _ | | water | | | | |
| Sect | uthorized Non-Storm Water Discharges ion B.3.a of the General Permit requires quarter ence of unauthorized non-storm water discharge | | | ainage areas | to detec | at the | | | | |
| a. | Indicate whether you visually observed all drain storm water discharges and their sources. Att | | | | | non- | | | | |
| | July -September X YES NO | Octol | ber-December | X YES | | NO | | | | |
| | January-March X YES NO | April- | June | X YES | | NO | | | | |
| b. | Based upon the quarterly visual observations, | were any unau | thorized non-st | torm water di | scharges | detected? | | | | |
| | YES | NO NO | Go to item F.: | 2.d | | | | | | |
| C. | Have each of the unauthorized non-storm wa | ter discharges | been eliminate | d or permitte | d? | | | | | |
| | YES | NO NO | Attach explan | nation | | | | | | |
| d. | Use Form 3 to report quarterly unauthorized following information. | non-storm wate | er discharge vis | sual observat | ions or p | rovide the | | | | |
| | i. name of each unauthorized non-storm v ii. date and time of observation. iii. source and location of each unauthorized iv. characteristics of the discharge at its so v. name, title, and signature of observer. vi. any corrective actions necessary to eliminate discharge and to clean impacted drainal discharge(s) was eliminated or schedule | ed non-storm wource and impaininate the source ge areas. Prov | rater discharge cted drainage a ce of each una vide date unaut | area/discharg uthorized nor | n-storm v | water | | | | |

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

Indicate below whether monthly visual observations of storm water discharges occurred at all discharge locations. Attach an explanation for any "NO" answers. Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

| | YEŞ | NO | | YES | NO |
|----------|-------------|----|----------|-------------|----|
| October | X | | February | \boxtimes | |
| November | X | | March | \boxtimes | |
| December | \boxtimes | | April | \boxtimes | |
| January | \boxtimes | | May | \boxtimes | |

- Report monthly wet season visual observations using Form 4 or provide the following information. 2.
 - date, time, and location of observation a.
 - name and title of observer b.
 - characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed.
 - any new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

ACSCE CHECKLIST H.

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall nimum

| step | evised and implemented, as necessary, within 90 days of the second second in the second secon | the evaluation. The ch have performed each | ecklist below inclu step below. Attac | des the minir h an |
|------|--|---|--|------------------------------|
| 1. | Have you inspected all potential pollutant sources and in The following areas should be inspected: | ndustrial activities area | s? 🔀 YES | ☐ NO |
| | areas where spills and leaks have occured during the last year. outdoor wash and rinse areas. process/manufacturing areas. loading, unloading, and transfer areas. waste storage/disposal areas. dust/particulate generating areas. erosion areas. | material storage vehicle/equipme truck parking ar rooftop equipme vehicle fueling/i | ent storage areas nd access areas | s |
| 2. | Have you reviewed your SWPPP to assure that its BMP potential pollutant sources and industrial activities areas | | X YES | ☐ NO |
| 3. | Have you inspected the entire facility to verify that the S | | X YES | ☐ NO |

- facility boundaries
 - outline of all storm water drainage areas

is up-to-date? The following site map items should be verified:

areas impacted by run-on

- storm water discharges locations
- storm water collection and conveyance system
- structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

| | 4. | Have you reviewed all General Permit compliance records since the last annual evaluation? | s gen | erated | \boxtimes | YES | NO |
|----|-----------|---|-------------|--|--|---------------------------------------|--|
| | | The following records should be reviewed: | | | | | |
| | | quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities | • | water disch Sampling a preventativ | nauthorized r narge visual c and Analysis ve maintenan enance record | observatior records ce inspecti | |
| | 5. | Have you reviewed the major elements of the SWPPP to compliance with the General Permit? | assu | re | \boxtimes | YES | NO NO |
| | | The following SWPPP items should be reviewed: | | | | | |
| | 6. | pollution prevention team list of significant materials description of potential pollutant sources Have you reviewed your SWPPP to assure that a) the BN | • MPs a | identificati implement | ted for each p | iption of th | sources e BMPs to be ollutant source |
| | 0. | in reducing or preventing pollutants in storm water discharges, and b) the BMPs are being | arges | and authori | zed | YES | NO |
| | | The following BMP categories should be reviewed: | | | | | |
| | | good housekeeping practices spill response employee training erosion control quality assurance | • | material I | tive maintena nandling and ndling/storag I BMPs | storage pr | actices |
| | 7. | Has all material handling equipment and equipment nee implement the SWPPP been inspected? | ded t | 0 | \triangleright | YES | NO |
| 1. | <u>AC</u> | SCE EVALUATION REPORT | | | | | |
| | The | e facility operator is required to provide an evaluation repor | t tha | t includes: | | | |
| | • | identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions | • | | | | PP revisions and the corrective |
| | Us | e Form 5 to report the results of your evaluation or develop | o an | equivalent fo | orm. | | |
| J. | <u>AC</u> | SCE CERTIFICATION | | | | | |
| | Th cer | e facility operator is required to certify compliance with the rtify compliance, both the SWPPP and Monitoring Program | Indu mus | strial Activiti t be up to d | es Storm Wa ate and be fu | iter Genera Ily implem | al Permit. To ented. |
| | | used upon your ACSCE, do you certify compliance with the trivities Storm Water General Permit? | Indu | strial | X YES | | Ои |
| | | you answered "NO" attach an explanation to the ACSCE | | | rt why you ar | e not in | |

ATTACHMENT SUMMARY

| An Ap | iswer the questions below to help you determine what should be alta iplicable) to questions 2-4 if you are not required to provide those atta | achments. | ricport. Allawer | 1000 | |
|------------------------|--|---|--|--|-----|
| 1. | Have you attached Forms 1,2,3,4, and 5 or their equivalent? | X YES (M | andatory) | | |
| 2. | If you conducted sampling and analysis, have you attached the laboratory analytical reports? | X YES | ☐ NO | NA NA | |
| 3. | If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications? | YES | NO NO | ⊠ NA | |
| 4. | Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J? | X YES | □ NO | ☐ NA | |
| | NNUAL REPORT CERTIFICATION | | | | |
| P w p w si | am duly authorized to sign reports required by the INDUSTRIA ERMIT (see Standard Provision C.9) and I certify under penalt ere prepared under my direction or supervision in accordance ersonnel properly gather and evaluate the information submitted ho manage the system, or those person directly responsible for ubmitted is, to the best of my knowledge and belief, true, accurate gnificant penalties for submitting false information, including the nowing violations. | y of law that this with a system do do do do do do do do do do do do do | edocument and esigned to ensury inquiry of the proformation, the ten. I am aware | all attachments re that qualified person or persons information that there are | |
| Р | rinted Name: KETER CHIW | | | 110 10 1 | |
| S | ignature: Stad | | Da <u>te: 6</u> | 118/01 | |
| Т | itle: MAHAGER, ENVIRONMENTER AFFE | HRS | | | |
| | | | | すり | N · |



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Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323) 258-2777 Attention: Peter Chui

Number of Pages 16 Date Received 02/13/2001 Date Reported 02/26/2001

| Job Number | Order Date | Client |
|------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Project Name: Hewitt Storm Water Sampling

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to

Checked By: De Sevilan Approved By: CRon

Cyrus Razmara, Ph.D.

Laboratory Director



CHAIN OF CUSTODY CORD

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

| COMPANY COLIM VILLEAM MATERIALS (0 PHONE (213) 258-2777 AETL | TL JOB N | 10. | 17 | 1-80 | 15 | | | | Page of |
|--|--------------------|--|------------|----------|----------------|--|----------------|-------------|-----------------------|
| PROJECT MANAGER FAX | ANALYSIS REQUESTED | | | | D | TEST INSTRUCTIONS & COMMENTS | | | |
| Peter Chia | 2. | - | | | | | | | |
| PROJECT NAME CLU'T STORM Water Sampling PROJECT # | LE Zin | + | M | | | | | | |
| SITE NAME AND | -2 | ۷ اکا | BTX | L, pH | 25 | | | | |
| ADDRESS | 45 | <u>-</u> | 1" | . C M | | | | | |
| SAMPLE ID LAB ID DATE TIME MATRIX CONTAINER NUMBER/SIZE PRES. | 15 Page 1 | 3 4 | Gas | 3 | 7 | | | | Please Send result |
| HEW. TT MESTIME 2-13-01 0930 Water 1Lt. amber Ice | | | | | | | | | + Invoice to |
| i il let amber | 1/ | | _ | | | | Alle | <u>h.</u> (| Vulcan Materials Co. |
| i lit Plastic | | $\perp \!$ | 4 | | | | ete. | / 4 | 3200 San Fernandold. |
| 1 1 125 ML plast | I V | 4_ | | , | | | 1 | 4 | L.A. Ca. 90065 |
| 1 (2) AUML Vial | | _ | V | | \rightarrow | | | | Pleuse Sind Copy |
| " I DESTIC | | _ | _ | VI | 4 | | | ļ | Of amalytical vesults |
| 7 | | <u> </u> | | | | | | ļ | to: |
| | | . | | | | | | ļ | Vulcon Material Co. |
| | | _ | | | \dashv | | | | 1801 University Dr. |
| 16 | | | | <u> </u> | | | | ļ | Phoenix, Az 8503+ |
| | | | | | | | | ļ | Atln: Dan |
| 17 | <u> </u> | _ | _ | | | | | <u> </u> | Zeller |
| 13 | | ļ | | | | | | ļ | |
| | | - | | | | | | | |
| | | | | | | | | <u> </u> | RELINQUISHED BY: 2 |
| SAMPLE RECEIPT - TO BE FILLED BY LABORATORY RELIQUISHED BY SAMPLER: | 1. | . F | RELING | JISHED | BY: | | | 2. | J. |
| TOTAL NUMBER OF CONTAINERS PROPERLY COOLED ON N/NA Signaling 12 4/ | Mr | S | ignature: | | | and the same of th | e iller manden | | Signature: |
| CUSTODY SEALS Y/N/NA SAMPLES INTACT (YDN/NA Printed Name: MA | | Р | rinted Nar | ne: | W. D. W. Salar | | | | Printed Name: |
| RECEIVED IN GOOD COND (Y) N SAMPLES ACCEPTED (Y) N Date: 2 - 13 - 01 | ne:0953 | <u> </u> | ate: | -11" | | Tim | е: | | Date: Time: |
| TURN AROUND TIME RECEIVED BY: | 1. | | RECEIVE | D BY: | | | | 2. | RECEIVED BY 3. |
| Signature: | and the same | s | Signature: | | مهيد | | , x | | Signature |
| NORMAL RUSH SAME DAY 48 HRS. Printed Name: | | Р | rinted Nar | ne. | | | | | Printed Name: |
| | | | | | | | | | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777

Attn:

Peter Chui

Page

2

Project Name: Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

| Project Name: Hewitt St | orm water | pampiting | d d | L | 1,050 | 1 / | | |
|------------------------------|-----------|-----------|-------|------|------------|--------------|------------|--|
| | | | | | | | AE89146 | |
| Client Sample I.D. | | | | | | Method Blank | Hewitt | |
| Date Sampled | | | | | | 02/13/2001 | 02/13/2001 | |
| Matrix | | | | | | Aqueous | Aqueous | |
| Analytes | Method | Units | MDL | PQL | Analyzed | Results | Results | |
| Specific conductance | 120.1 | umhos/cm | 5 - 0 | 10.0 | 02/14/2001 | ND | 64 | |
| рН | 150.1 | pH unit | 0.01 | 0.01 | 02/13/2001 | NA | 7.53 | |
| Total Suspended Solids (TSS) | 160.2 | mg/L | 5.0 | 10.0 | 02/15/2001 | ND | 264 | |
| Chloride | 325.3 | mg/L | 0.5 | 1.0 | 02/19/2001 | ND | 4 | |



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Ordered By

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Page

---- Warma, Hewitt Storm Water Sampling

Submitted Client AETL Job Number 17895 02/13/2001 VULCAN

| Project Name: Hewitt Storm water bumping | | | | | | | | | | | | |
|--|--------------------|--|--|---|--|--|--|--|--|--|--|--|
| | H-1244-15-18 | | | | | AE89146 | | | | | | |
| | | | | | Method Blank | Hewitt | | | | | | |
| | | | | | 02/13/2001 | 02/13/2001 | | | | | | |
| | | | | _ | Aqueous | Aqueous | | | | | | |
| T | | MDI | POL | Analyzed | Posulte | Paguilta | 550124172473 | | | | | |
| Method | Units | MIDL | 14 20 32 33 4 3 1 5 | | The first was the same of the | The Control of the Co | (V 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 | | | | | |
| 405.1 | mg/L | 5.0 | 5.0 | 02/19/2001 | ND | | | | | | | |
| 410.4 | mg/L | 5.0 | 10.0 | 02/22/2001 | ND | 12 | | | | | | |
| EPA-1664 | mg/L | 0.5 | 1.0 | 02/14/2001 | ND | 3.3 | | | | | | |
| | Method 405.1 410.4 | Method Units 405.1 mg/L 410.4 mg/L | Method Units MDL 405.1 mg/L 5.0 410.4 mg/L 5.0 | Method Units MDL PQL 405.1 mg/L 5.0 5.0 410.4 mg/L 5.0 10.0 | Method Units MDL PQL Analyzed 405.1 mg/L 5.0 5.0 02/19/2001 410.4 mg/L 5.0 10.0 02/22/2001 | Method Blank 02/13/2001 Aqueous Aqueous Method Units MDL PQL Analyzed Results 405.1 mg/L 5.0 5.0 02/19/2001 ND 410.4 mg/L 5.0 10.0 02/22/2001 ND ND Mg/L | Method Blank Hewitt 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 02/13/2001 Aqueous | | | | | |



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Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

| Our Lab I.D. | | | | AE89146 | | |
|--------------------|------|------------|--------------|------------|--|-----|
| Client Sample I.D. | | | Method Blank | Hewitt | | |
| Date Sampled | | | 02/13/2001 | 02/13/2001 | | |
| Date Prepared | | 02/22/2001 | 02/22/2001 | | | |
| Preparation Method | | 3005A | 3005A | | | |
| Date Analyzed | | 02/22/2001 | 02/22/2001 | | | |
| Matrix | | Aqueous | Aqueous | | | |
| Units | | | mg/L | mg/L | | |
| ilution Factor | | | 1 | 1 | | 100 |
| Analytes | MDL | PQL | Results | Results | | |
| Calcium | 0.25 | 0.50 | ND | 10.0 | | |
| Lead | 0.05 | 0.10 | ND | 0.09J | | |
| Nickel | 0.01 | 0.05 | ND | 0.02J | | |
| Sodium | 0.25 | 0.50 | ND | 3.14 | | |
| Zinc | 0.01 | 0.05 | ND | 0.15 | | |



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Page:

5

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 02132001/02132001

| Our Lab I.D. | | | | AE89146 | | |
|--|--------------------|------|--------------|------------|--|--|
| Client Sample I.D. | Client Sample I.D. | | Method Blank | Hewitt | | |
| Date Sampled | | | 02/13/2001 | 02/13/2001 | | |
| Date Prepared | | | 02/13/2001 | 02/13/2001 | | |
| Preparation Method | | | 5030B | 5030B | | |
| Date Analyzed | | | 02/13/2001 | 02/13/2001 | | |
| Matrix | | | Aqueous | Aqueous | | |
| Units | | | ug/L | ug/L | | |
| ilution Factor | | | 1 | 1 | | |
| Analytes | MDL | PQL | Results | Results | | |
| Benzene | 0.25 | 0.50 | ND | ND | | |
| Ethylbenzene | 0.25 | 0.50 | ND | ND | | |
| Toluene (Methyl benzene) | 0.25 | 0.50 | ND | ND | | |
| Xylenes (Total) | 0.50 | 1.00 | ND | ND | | |
| TPH as Gasoline and Light HC. (C4-C12) | 5.0 | 10.0 | ND | ND | | |

| Our Lab I.D. | | | AE89146 | | |
|--------------------|-----------|--------|---------|--|--|
| Surrogates | Con.Limit | % Rec. | % Rec. | | |
| Bromofluorobenzene | 75-125 | 102 | 102 | | |
| Trifluorotoluene | 75-125 | 96 | 100 | | |



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Page:

6

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 02152001/02152001

| V | | | 1 | T 8 3 49 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 | are delicated to the | I was a second | |
|--|-----|-----|--------------|--|----------------------|----------------|--|
| Our Lab I.D. | | | | AE89146 | | | |
| Client Sample I.D. | | | Method Blank | Hewitt | | | |
| Date Sampled | | | 02/13/2001 | 02/13/2001 | | | |
| Date Prepared | | | 02/15/2001 | 02/15/2001 | | | |
| Preparation Method | | | 3510C | 3510C | | | |
| Date Analyzed | | | 02/15/2001 | 02/15/2001 | | | |
| Matrix | | | Aqueous | Aqueous | | | |
| ¹ Jnits | | | mg/L | mg/L | | | |
| ilution Factor | | | 1 | 1. | | | |
| Analytes | MDL | PQL | Results | Results | | | |
| TPH as Diesel (C12-C23) | 0.1 | 0.5 | ND | ND | | | |
| TPH as Heavy Hydrocarbons (C23-C40) | 0.1 | 0.5 | ND | ND | | | |
| TPH Total as Diesel and Heavy HC.C12-C40 | 0.1 | 0.5 | ND | ND | | | |
| | | | | | | | |

| Our Lab I.D. | | | AE89146 | | |
|---------------|------------|--------|---------|--|--|
| Surrogates | Con.Limit | % Rec. | % Rec. | | |
| Chlorobenzene | 75-125 | 91 | 100 | | |



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Page:

7

Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 02142001/02142001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------------------|--------|--------|-----|---------|--------|--------|-------|----------|---|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | - |
| Specific conductance | 1,880 | 1,880 | <1 | <15 | 141.30 | 141.30 | 100 | 80-120 | |



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Page:

8

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02132001/02132001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| pH | 7.53 | 7.51 | <1 | <15 | 7.00 | 7.07 | 101 | 80-120 | |



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Page:

9

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 02152001/02152001

| - | | | | | | | | | | t |
|------------------------------|--------|--------|-----|---------|--------|-------|-------|----------|------|---|
| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | |
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
| Total Suspended Solids (TSS) | 956 | 976 | 2.1 | <15 | 100.00 | 94.00 | 94 | 80-120 | | - |



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Page:

10

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 02222001/02222001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Calcium | 1.00 | 1.00 | 100 | 1.00 | 0.99 | 99 | 1.0 | 80-120 | <15 | |
| Lead | 1.00 | 0.93 | 93 | 1.00 | 0.93 | 93 | <1 | 80-120 | <15 | |
| Nickel | 1.00 | 0.91 | 91 | 1.00 | 0.90 | 90 | 1.1 | 80-120 | <15 | |
| Sodium | 1.00 | 0.96 | 96 | 1.00 | 0.97 | 97 | 1.0 | 80-120 | <15 | |
| ,C | 1.00 | 0.93 | 93 | 1.00 | 0.93 | 93 | <1 | 80-120 | <15 | |

QC Batch Number: 02222001/02222001

| | LCS | LCS | LCS | LCS/LCSD | | | |
|----------|--------|-------|-------|----------|--|--|--|
| Analytes | Concen | Recov | % REC | % Limit | | | |
| Calcium | 1.00 | 1.00 | 100 | 80-120 | | | |
| Lead | 1.00 | 0.97 | 97 | 80-120 | | | |
| Nickel | 1.00 | 0.97 | 97 | 80-120 | | | |
| Sodium | 1.00 | 0.98 | 98 | 80-120 | | | |
| Zinc | 1.00 | 0.97 | 97 | 80-120 | | | |



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Page:

11

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02192001/02192001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | il the same of the |
| Chloride | 20.00 | 21.00 | 105 | 20.00 | 20.00 | 100 | 4.8 | 80-120 | <15 | |

QC Batch Number: 02192001/02192001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Chloride | 55 | 55 | <1 | <15 | 20.00 | 20.00 | 100 | 80-120 | |



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Page:

12

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02142001/02142001

| QC Dateti 1.000 | , 021 .20 | | | | | | | | |
|---------------------------------|-----------|--------|-----|---------|--------|-------|-------|----------|--|
| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Biochemical Oxygen Demand (BOD) | ND | ND | <1 | <15 | 36.00 | 33.12 | 92 | 80-120 | |



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Page:

13

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

| | | | | | | | | | | | 1 |
|------------------------|--------|--------|----------|--------|--------|--------|-----|---------|---------|---|---|
| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | ĺ | |
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | | |
| | 100.00 | 108.00 | 108 | 100.00 | 104.00 | 104 | 3.7 | 80-120 | <15 | | |
| Chemical Oxygen Demand | | | <u> </u> | 1 | L | | | | | | |

| | | | | | | | | | | |
|----------------------|--------|--------|-----|---------|--------|--------|-------|----------|------|---|
| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | ĺ |
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
| emical Oxygen Demand | 5J | 5J | <1 | <15 | 100.00 | 109.00 | 109 | 80-120 | | i |
| | | | | | | | | | | |



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Page:

14

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC QUALITY CONTROL REPORT

QC Batch Number: 02132001/02132001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|--------------------------|--------|--------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Benzene | 50.00 | 55.00 | 110 | 50.00 | 55.00 | 110 | <1 | 75-125 | <20 | |
| Ethylbenzene | 50.00 | 55.00 | 110 | 50.00 | 55.00 | 110 | <1 | 75-125 | <20 | |
| Toluene (Methyl benzene) | 50.00 | 53.00 | 106 | 50.00 | 54.00 | 108 | 1.8 | 75-125 | <20 | |
| cs | | | | | | | | | | |
| \(\sqrt{ylene}\) | 50.00 | 56.00 | 112 | 50.00 | 55.00 | 110 | 1.8 | 75-125 | <20 | |
| m,p-Xylenes | 100.00 | 107.00 | 107 | 100.00 | 107.00 | 107 | <1 | 75-125 | <20 | |

QC Batch Number: 02132001/02132001

| | LCS | LCS | LCS | LCS/LCSD | | | | |
|--------------------------|--------|--------|-------|----------|--|---|------|--|
| Analytes | Concen | Recov | % REC | % Limit | | | | |
| Benzene | 50.00 | 56.00 | 112 | 75-125 | | | | |
| Ethylbenzene | 50.00 | 54.00 | 108 | 75-125 | | | | |
| Toluene (Methyl benzene) | 50.00 | 53.00 | 106 | 75-125 | | | | |
| LCS | | | | | | | | |
| o-Xylene | 50.00 | 55.00 | 110 | 75-125 | | | | |
| m,p-Xylenes | 100.00 | 105.00 | 105 | 75-125 | | 1 | | |



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Page:

15

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: EPA-1664, Oil and Grease QUALITY CONTROL REPORT

QC Batch Number: 02142001/02142001

| | LCS | LCS | LCS | LCS/LCSD | | | |
|----------------|--------|-------|-------|----------|--|--|--|
| Analytes | Concen | Recov | % REC | % Limit | | | |
| Oil and Grease | 10.00 | 9.40 | 94 | 80-120 | | | |



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Page:

16

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch Number: 02152001/02152001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|-------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| TPH as Diesel (C12-C23) | 25.00 | 25.25 | 101 | 25.00 | 25.50 | 102 | <1 | 75-125 | <20 | |

QC Batch Number: 02152001/02152001

| The state of the s | | | | | | | · | , | | \neg |
|--|--------|-------|-------|----------|------|---|---|---|---|--------|
| | LCS | LCS | LCS | LCS/LCSD | | } | | | | |
| Analytes | Concen | Recov | % REC | % Limit | | | | | | |
| TPH as Diesel (C12-C23) | 25.00 | 25.25 | 101 | 75-125 | | | | | L | |



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Data Qualifiers and Descriptors

Data Qualifier:

B: Analyte was present in the Method Blank.

D: Result is from a diluted analysis.

E: Result is beyond calibration limits and is estimated.

J: Analyte was detected. However, the analyte concentration is an estimated value, which is between the

Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi: Percent acceptable limits.

%REC: Percent recovery.

Con.L: Acceptable Control Limits

Conce: Added concentration to the sample.

LCS: Laboratory Control Sample

MDL: Method Detection Limit

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can

be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical

instrumentation and practice.

Recovered concentration in the sample.

RPD: Relative Percent Difference



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Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attention: Peter Chui

| - 23 | | High Brade Back Color | | | |
|------|---------|-----------------------|---|------|-----|
| N | umber o | f Pages | 14 | | |
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| D | ate Rep | orted | 03/26/2 | 2007 | |
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| Job Number | Order Date | Client |
|------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Project Name: Hewitt Storm Water Sampling

Site:

Hewitt

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: ____ Approved By: ____ Approved By: ____

Cyrus Razmara, Ph.D. Laboratory Director



CHAIN OF CUSTODY CORD

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| PROJECT MANAGER PROJECT NAME PROJECT NAME SITE NAME PROJECT NAME PROJECT NAME PROJECT WATER SAMPLING PROJECT # PR | MENTS |
|--|---------|
| Peter Chiu PROJECT NAME + Storm Water Sampling PROJECT # | |
| Hewith Storm Water Sampling | |
| HEWIT STONY WATER SAMPLING | |
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| | |
| ADDRESS ADDRESS | |
| SAMPLE ID LAB ID DATE TIME MATRIX CONTAINER NUMBER/SIZE PRES. PRES. PLEASE SEND (CS) | ts |
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| - Mulcan Materials | ن |
| - 1801 University D | r. |
| Phoenix, AZ 85 | 034 |
| Atln: Dan Zeile | X |
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| | |
| SAMPLE RECEIPT - TO BE FILLED BY LABORATORY RELINQUISHED BY SAMPLER: SELVE AND CONTROL OF SURPRISED BY: SAMPL | 3. |
| Signature: Signature: Signature: | |
| Printed Name: | |
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| Printed Name: | |
| NORMAL RUSH 1 24 HBS 1 72 HBS. | |
| Date Time: Date Time: Date Time: Date Time: | 134 |



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ANALYTICAL RESULTS

Ordered By

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Page

2

Project Name: Hewitt Storm Water Sampling

Site

Hewitt

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 1 8 086 | 03/05/2001 | VULCAN |

| Project Name: Hewitt St | 1 - | | | | | | 05/2001 | VULCAN |
|---------------------------------|----------|----------|------|--|---------------|--------------|------------|---------------------------------------|
| Our Lab I.D. | | | | | 建筑等级基层 | | AE90419 | |
| Client Sample I.D. | | | | | | Method Blank | OF-001 | |
| Date Sampled | | | | ······································ | | 03/05/2001 | 03/05/2001 | |
| Matrix | | | | | | Aqueous | Aqueous | |
| Analytes | Method | Units | MDL | PQL | Analyzed | Results | Results | |
| Specific conductance | 120.1 | umhos/cm | 5.0 | 10.0 | 03/05/2001 | ND | 68 | |
| рН | 150.1 | pH unit | 0.01 | 0.01 | 03/05/2001 | NA | 8.39 | |
| Total Suspended Solids (TSS) | 160.2 | mg/L | 5.0 | 10.0 | 03/09/2001 | ND | 762 | |
| Calcium | 200.7 | mg/L | 0.25 | 0.50 | 03/08/2001 | ND | 15.9 | |
| ead | 200.7 | mg/L | 0.05 | 0.10 | 03/08/2001 | ND | 0.24 | |
| Nickel | 200.7 | mg/L | 0.01 | 0.05 | 03/08/2001 | ND | 0.04J | |
| Sodium | 200.7 | mg/L | 0.25 | 0.50 | 03/08/2001 | ND | 3.28 | · · · · · · · · · · · · · · · · · · · |
| Zinc | 200.7 | mg/L | 0.01 | 0.05 | 03/08/2001 | ND | 0.27 | |
| Chlonde | 325.3 | mg/L | 0.5 | 1.0 | 03/09/2001 | ND | 2 | |
| Biochemical Oxygen Demand (BOD) | 405.1 | mg/L | 5.0 | 5.0 | 03/12/2001 | ND | ND | |
| Chemical Oxygen Demand | 410.4 | mg/L | 5.0 | 10.0 | 03/08/2001 | ND | 39 | |
| Oil and Grease | EPA-1664 | mg/L | 0.5 | 1.0 | 03/05/2001 | ND | 4.0 | |



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Telephone: (323)258-2777

Attn:

Peter Chui

Page:

3

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 03062001/03062001

| Our Lab I.D. | | | | AE90419 | | |
|--|------|---------|--------------|------------|---|--|
| Client Sample I.D. | | | Method Blank | OF-001 | - | |
| Date Sampled | | | 03/05/2001 | 03/05/2001 | | |
| Date Prepared | | | 03/06/2001 | 03/06/2001 | | |
| Preparation Method | | | 5030B | 5030B | | |
| Date Analyzed | | | 03/06/2001 | 03/06/2001 | | |
| Matrix | | Aqueous | Aqueous | | | |
| Units | | | ug/L | ug/L | | |
| ilution Factor | | | 1 | 1 | | |
| Analytes | MDL | PQL | Results | Results | | |
| Benzene | 0.25 | 0.50 | ND | ND | | |
| Ethylbenzene | 0.25 | 0.50 | ND | 0.5 | | |
| Toluene (Methyl benzene) | 0.25 | 0.50 | ND | 1.6 | | |
| Xylenes (Total) | 0.50 | 1.00 | ND | 2.8 | | |
| Methyl-tert-butyl ether (MTBE) | 0.50 | 1.00 | ND | ND | | |
| TPH as Gasoline and Light HC. (C4-C12) | 5.0 | 10.0 | ND | 10.7 | | |

| Our Lab I.D. | | | | AE90419 | | |
|--------------------|-----------|---------------------------------------|--------|---------|--|--|
| Surrogates | Con.Limit | | % Rec. | % Rec. | | |
| Bromofluorobenzene | 75-125 | · · · · · · · · · · · · · · · · · · · | 112 | 106 | | |
| Trifluorotoluene | 75-125 | | 98 | 100 | | |



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| Ordered | By |
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|--------|--|
| Hewitt | |

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4

Project Name:

Hewitt Storm Water Sampling

| AE | TL Job Number | Submitted | Client |
|----|---------------|------------|--------|
| | 18086 | 03/05/2001 | VULCAN |

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 03082001/03082001

| Our Lab I.D. | | | | AE90419 | | |
|--|-----|-----|--------------|------------|--|--|
| Client Sample I.D. | | | Method Blank | OF-001 | | |
| Date Sampled | | | 03/05/2001 | 03/05/2001 | | |
| Date Prepared | | | 03/08/2001 | 03/08/2001 | | |
| Preparation Method | | | 3510C | 3510C | | |
| Date Analyzed | | | 03/08/2001 | 03/08/2001 | | |
| Matrix | | | Aqueous | Aqueous | | |
| Units | | | mg/L | mg/L | | |
| Dilution Factor | | | 1 | 1 | | |
| Analytes | MDL | PQL | Results | Results | | |
| TPH as Diesel (C12-C23) | 0.1 | 0.5 | ND | ND | | |
| TPH as Heavy Hydrocarbons (C23-C40) | 0.1 | 0.5 | ND | ND | | |
| TPH Total as Diesel and Heavy HC.C12-C40 | 0.1 | 0.5 | ND | ND | | |

| Our Lab I.D. | | | AE90419 | | |
|---------------|-----------|--------|---------|--|--|
| Surrogates | Con.Limit | % Rec. | % Rec. | | |
| Chlorobenzene | 75-125 | 114 | 81 | | |



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5

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 03052001 / 03052001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------------------|--------|--------|-----|---------|--------|--------|-------|----------|------|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Specific conductance | 73 | 73 | <1 | <15 | 141.30 | 139.89 | 99 | 80-120 | |



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ANALYTICAL RESULTS

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6

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 03052001/03052001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| рН | 6.28 | 6.26 | <1 | <15 | 7.00 | 7.00 | 100 | 80-120 | |



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ANALYTICAL RESULTS

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7

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 03092001/03092001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|------------------------------|--------|--------|-----|---------|--------|--------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Total Suspended Solids (TSS) | 24 | 24 | <1 | <15 | 100.00 | 103.00 | 103 | 80-120 | |



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8

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 03082001/03082001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit |
| Calcium | 1.00 | 1.04 | 104 | 1.00 | 1.10 | 110 | 5.6 | 80-120 | <15 |
| Lead | 1.00 | 0.99 | 99 | 1.00 | 0.99 | 99 | <1 | 80-120 | <15 |
| Nickel | 1.00 | 0.97 | 97 | 1.00 | 0.96 | 96 | 1.0 | 80-120 | <15 |
| Codium | 1.00 | 0.97 | 97 | 1.00 | 1.02 | 102 | 5.0 | 80-120 | <15 |
| ac | 1.00 | 0.98 | 98 | 1.00 | 0.97 | 97 | 1.0 | 80-120 | <15 |

QC Batch Number: 03082001/03082001

| | LCS | LCS | LCS | LCS/LCSD | | | |
|----------|--------|-------|-------|----------|--|--|---|
| Analytes | Concen | Recov | % REC | % Limit | | | _ |
| Calcium | 1.00 | 1.01 | 101 | 80-120 | | | |
| Lead | 1.00 | 1.00 | 100 | 80-120 | | | |
| Nickel | 1.00 | 0.99 | 99 | 80-120 | | | |
| Sodium | 1.00 | 1.02 | 102 | 80-120 | | | |
| Zinc | 1.00 | 0.99 | 99 | 80-120 | | | |



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9

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 03092001/03092001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chloride | 20.00 | 20.60 | 103 | 20.00 | 19.60 | 98 | 4.9 | 80-120 | <15 | |

QC Batch Number: 03092001/03092001

| | | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | 1 |
|---|----------|--------|--------|-----|---------|--------|-------|-------|----------|--|---|
| 1 | Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
| | Chloride | 2 | 2 | <1 | <15 | 20.00 | 20.00 | 100 | 80-120 | | |



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10

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

OUALITY CONTROL REPORT

QC Batch Number: 03072001/03072001

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|---------------------------------|--------|--------|-------|----------|------|------|---|--|
| | LCS | LCS | LCS | LCS/LCSD | | | | |
| Analytes | Concen | Recov | % REC | % Limit | | | | |
| Biochemical Oxygen Demand (BOD) | 150.00 | 136.50 | 91 | 80-120 | | | | |



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11

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 03082001/03082001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chemical Oxygen Demand | 50.00 | 46.50 | 93 | 50.00 | 46.00 | 92 | 1.0 | 80-120 | <15 | |

QC Batch Number: 03082001/03082001

| | | | | | | | | | |
|------------------------|--------|--------|-----|---------|--------|-------|-------|----------|------|
| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Chemical Oxygen Demand | 137 | 137 | <1 | <15 | 100.00 | 94.00 | 94 | 80-120 | |



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12

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

 $Method: 602/M8015G, Aromatic \ Volatile \ Organics, \ TPH \ Gasoline \ and \ Light \ HC \ by \ GC$

QUALITY CONTROL REPORT

QC Batch Number: 03062001 / 03062001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|--------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Benzene | 50.00 | 43.00 | 86 | 50.00 | 46.00 | 92 | 6.7 | 75-125 | <20 | |
| Ethylbenzene | 50.00 | 50.00 | 100 | 50.00 | 52.00 | 104 | 3.9 | 75-125 | <20 | |
| Toluene (Methyl benzene) | 50.00 | 49.00 | 98 | 50.00 | 51.00 | 102 | 4.0 | 75-125 | <20 | |
| 1 CS | | | | | | | | | | |
| Kylene | 50.00 | 52.00 | 104 | 50.00 | 54.00 | 108 | 3.7 | 75-125 | <20 | |
| m,p-Xylenes | 100.00 | 96.00 | 96 | 100.00 | 99.00 | 99 | 3.0 | 75-125 | <20 | |

QC Batch Number: 03062001 / 03062001

| | LCS | LCS | LCS | LCS/LCSD | | | | |
|--------------------------|--------|--------|-------|----------|--|---|--|-----------|
| Analytes | Concen | Recov | % REC | % Limit | | | | |
| Benzene | 50.00 | 54.00 | 108 | 75-125 | | | | |
| Ethylbenzene | 50.00 | 56.00 | 112 | 75-125 | | | | |
| Toluene (Methyl benzene) | 50.00 | 55.00 | 110 | 75-125 | | | | |
| LCS | | | | | | | | Park Have |
| o-Xylene | 50.00 | 56.00 | 112 | 75-125 | | | | |
| m,p-Xylenes | 100.00 | 106.00 | 106 | 75-125 | | 1 | | |



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Attn:

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13

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: EPA-1664, Oil and Grease QUALITY CONTROL REPORT

QC Batch Number: 03052001/03052001

| | | | | | + | | | T |
|----------------|--------|-------|-------|----------|-------|---------|------|----------|
| | LCS | LCS | LCS | LCS/LCSD | | | | |
| Analytes | Concen | Recov | % REC | % Limit | | | | |
| Oil and Grease | 10.00 | 9.60 | i | 80-120 | | <u></u> | | <u> </u> |



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840 • AETLAB@AOL.COM

ANALYTICAL RESULTS

| 0 | r | d | e | r | e | d | By |
|---|---|---|---|---|---|---|----|
|---|---|---|---|---|---|---|----|

Vulcan Materials Co,-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

| S | i | t | е |
|---|---|---|---|
|---|---|---|---|

| TY COLL | | | |
|----------------------|--------------------|--------------------|--|
| Hewitt | There's the second | | |
| | | 근식된 시 한 상징선보다 한 것; | |
| | 영국 보고 가입한테를 | | |
| The Art of \$4, 340. | | 하게 되었다면 아들이 하는데. | |
| | | | |
| | | | |

Telephone: (323)258-2777 Attn: Peter Chui

Page:

14

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch Number: 03082001/03082001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|-------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| TPH as Diesel (C12-C23) | 25.00 | 30.50 | 122 | 25.00 | 29.00 | 116 | 5.0 | 75-125 | <20 | |

OC Batch Number: 03082001/03082001

| | LCS | LCS | LCS | LCS/LCSD | | | |
|-------------------------|--------|-------|-------|----------|--|--|--|
| Analytes | Concen | Recov | % REC | % Limit | | | |
| TPH as Diesel (C12-C23) | 25.00 | 29.50 | 118 | 75-125 | | | |



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Data Qualifiers and Descriptors

Data Qualifier:

B: Analyte was present in the Method Blank.

D: Result is from a diluted analysis.

E: Result is beyond calibration limits and is estimated.

J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the

Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi: Percent acceptable limits.

%REC: Percent recovery.

Con.L: Acceptable Control Limits

Conce: Added concentration to the sample.

LCS: Laboratory Control Sample

MDL: Method Detection Limit

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can

be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical

instrumentation and practice.

Recovered concentration in the sample.

RPD: Relative Percent Difference



FORM 3-QUARTERLY VISUAL OBSERVATIONS OF UNAUTHORIZED NON-STORM WATER DISCHARGES (NSWDs)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWOs.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
- Make additional copies of this form as necessary.

| QUARTER: JULY-SEPT 00 DATE/TIME OF | Observers Name: Flants fanos | WERE UNAUTHORIZED | | If YES to |
|---|------------------------------|---|------------------|------------------------------------|
| OBSERVATIONS THOUZ:30 DPM | Tille: Mariagere | NSWDs OBSERVED? WERE THERE INDICATIONS OF | □YES ØNO | either question, complete |
| QUARTER: OCT-DEC 00 | Signatura: Many Same | PRIOR UNAUTHORIZED NSWDs7 | ☐YES ☐NO | reverse side. |
| DATE/TIME OF OBSERVATIONS | Tille: Plant Markagon | WERE UNAUTHORIZED NSWDs OBSERVED? | □YES X NO | If YES to either question, |
| QUARTER: JAN-MARCHOI | Signature: Profession | WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | ☐YES ☐NO | complete reverse side. |
| DATE/TIME OF OBSERVATIONS 1 200/ 5 m 2 AM | Observers Name: Fresh Preser | WERE UNAUTHORIZED NSWDs OBSERVED? | □YES XNO | If YES , either question, complete |
| QUARTER: APRIL-JUNE 01 | Signature: Therefore | WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | TYES NO | reverse side. |
| DATE/TIME OF OBSERVATIONS | Tille: Plant Manages | WERE UNAUTHORIZED NSWDs OBSERVED? | ☐ YES ☑NO | If YES to either question, |
| 4,7,07 6:30 PM | Signature: | WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NEWDS? | ☐YES ☐NO | complete reverse side, |

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

- Storm water discharge visual observations are required for at least one atom event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge formions.
- Discharges of temporarity stored or contained storm water must be observed at the time of discharge.
- indicate "None" in the first column of this form if you did not conduct a monthly visual observation. Make additional copies of this form as necessary.

| | | copies of this form as necess | • | |
|---|--|--|------------------------------------|-------------------------------------|
| Drainage Location Description | | #2 | #3 | #4 |
| Observation Time | . P.M. | | [] [.m. | ļ.· |
| Time Discharge Began Were Pollulants Observed | P.M. | ☐ P.M. | ☐ P.M. | * |
| (If yes, complete raverse skie) | AEE UO U | YES NO | YES NO | YES I NO I |
| Drainage Location Description | Nov6 | #2 | #3 | #4 |
| Observation Time | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : □ A.M. | |
| Time Discharge Began Were Pollutante Observed | : □ A.M. | : A.M. | : P.M. | |
| (ii yes, compans reverse skie) | | YES NO | YES NO | YES NO |
| ł I | #4 | | | |
| Drainage Location Description | NONE | #2 | #3 | #4 |
| Observation Time | NONC- | #2 | ☐ P.M. | L |
| Observation Time Time Discharge Began Were Politiants Observed | NONE P.M. | ☐ P.M. | | : [|
| Observation Time | NONC P.M. : DAM | ☐ P.M. : ☐ A.M. ☐ P.M, | ☐ P.M. : ☐ A.M. ☐ P.M. | : <u>}</u> |
| Observation Time Time Discharge Began Were Poliviants Observed (If yes, complete reverse side) | P.M. A.M. | : | : | : <u>}</u> |
| Observation Time Time Discharge Began Were Poliviants Observed (If yes, complete reverse side) | #1 #1 P.M. P.M. P.M. | #2 □ P.M. □ A.M. □ P.M. □ A.M. YES □ NO □ □ P.M. □ A.M. | : | : [: [YES] NO [|
| Observation Time Time Discharge Began Were Poliviants Observed (If yes, complete reverse side) Drainage Location Description | #1 P.M. P.M | : ☐ P.M. : ☐ A.M. : ☐ A.M. YES ☐ NO ☐ | : | : [: [YES] NO [|
| | Observation Time Time Discharge Began Were Pollulants Observed (If yes, complete reverse skie) Drainage Location Description Observation Time Time Discharge Began | Drainage Location Description Observation Time Time Discharge Began Were Pollutants Observed (If yes, complete reverse side) Observation Time Drainage Location Description Observation Time Observation Time Time Discharge Began Time Discharge Began Were Pollutants Observed (If yes, complete reverse side) YES P.M. P.M. Time Discharge Began Were Pollutants Observed (If yes, complete reverse side) | Drainage Location Description 1 | Drainage Location Description #1 |

ANNUAL REPORT FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

Storm water discharge visual observations are required for at least one storm at per month between October 1 and May 31.

Visual observations must be conducted during the first hour of discharge at all dischange locations.

- Discharges of temporarily stored or contained storm water must be observed at the time of discharge, indicate "Nano" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.

| Observation Date: February 2 2001 | Drainage Location Description | #1 NONE | #2 | #3 | #4 |
|--|---|--------------------|--------------------|--------------------|-------------|
| Observers Name: FRANK PARKA | | □ P.M. | T180 | | |
| THE PART MANAGES | Observation Time | . □ A.M. | ☐ P.M. | ☐ P.M. : ☐ A.M. | י דו |
| Signature: There By | Time Discharge Began Were Politizarts Observed | □ P.M. : □ A.M. | ☐ P.M. : ☐ A.M. | P.M. | : 1 |
| | (H yes, complete reverse side) | YES NO | YES ND | YES NO | YES NO |
| | | #1 | #2 | | |
| Observation Date: Merch 3 2001 | Oralnage Location Description | None | #4 | #3 | #4 |
| Observers Name: / HAMA | | ☐ P.M. | ☐ P.M. | P.M. | |
| THIS THAT march | Observation Time | : A.M. | : A.M. | : A.M. | |
| Singahum Daniel | Time Discharge Began | : A.M. | ☐ P.M. : ☐ A.M. | P.M. | : 87 |
| Signatura Aundun | Were Polkstants Observed (If yes, complete reverse side) | YES HO | YES NO | YES NO | YES NO |
| A | | 1#1 | #2 | | |
| Observation Date: April 9 2001 | Drainage Location Description | NONE | #2 | #3 | #4 |
| Observers Name: 10 / Ackey | Observation 7 | P.M. | ☐ P.M. | ☐ P.M. | |
| Tile Plant Panages | Observation Time | : ☐ A.M. | ; | . : _ A.M. | |
| Signatura: | Time Olecharge Began | :AM. | : AM | ☐ P.M. : ☐ A.M. | |
| The state of the s | Were Poliutants Observed (If yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |
| | | 1.44 | | | |
| Observation Date: May // 2001 | | #1 | #2 | #3 | #4 |
| Observers Name: Chet Mackey | Drainage Location Description | None | | | |
| | Observation Time | □ P.M. - □ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | : 0' |
| Title Plant Manager | T- Dishar B | ☐ P.M. | □ P.M. | P.M. | H . |
| Signature: | Time Discharge Began Were Pollutants Observed | ; | : □ A.M. | ; 🗖 A.M. | : 5, |
| | Ill yes, complete inverse side) | YES NO | YES NO | YES TO NOT | VEST AND ET |

FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

| | INSPECTOR NAME: Peter L | Chiu | TITLE: | MANAGER SIGNATURE: | Site |
|--|--|--------------|--|---|--|
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Aggregate Storage, Fueling Area, Truck Washing, Admix Storage, Maintenance Area, | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | □YES □ NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation NONE | Describe additional/revised BMPs or corrective actions and their date(s) of implementation NONE |
| Return Concrete, RAP, Parking Area | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified In your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | ∏YES ∏NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | □YES | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP Implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |

| (| | |
|---|--|--|
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STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

2000-2001 ANNUAL REPORT

\ FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 2000 through June 30, 2001

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, and C below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be submitted) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov.

REGIONAL BOARD INFORMATION:

S ANGELES REGIONAL WATER BOARD 520 W. 4TH STREET, SUITE 200 LOS ANGELES, CA 90013

DAN RADULESCU (213) 576-6668

E-mail:

dradules@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

Facility WDID No:

4 19S002767

B. Facility Operator Information:

CALMAT CO

Contact Person:

3200 SAN FERNANDO BLVD.

MR. GEORGE COSBY PETER CHIL

LOS ANGELES, CA 90065

(323) 258-2777

C. Facility Information:

Mailing Address:

HEWITT LANDFILL (CLOSED)

MR. GEORGE COSBY PETER CHIU

7361 LAUREL CANYON BLVD.

(323) 258-2777

Contact Person:

LOS ANGELES, CA 91605

SIC Code(s):

4953

Refuse Systems

Additional Table D Parameters: Fe

Waste Discharge Order No:

(Hazardous Waste Facilities, see Table D, Sector K of the Permit)

ZUUU-ZUU I **ANNUAL REPORT**

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

| D. | SAI | MPLING A | AND ANAL | YSIS EXEMPTI | ONS AND RED | <u>UCTIONS</u> | | | | | | |
|----|-----|--------------------|-----------------------------|-------------------------------------|--|------------------------------|------------------------------------|-------------------------|--------------------------|-----------------------|---|-------------|
| | 1. | For the raccordar | reporting pence with se | riod, was your ctions B.12 or | facility exempt f 15 of the Genera | rom collecti al Permit? | ng and a | analyzin | ig samples | from tw o | storm event | s in |
| | | ☐ YI | ES Go | to Item D.2 | | | \boxtimes | NO | Go to S | ection E | | |
| | 2. | Indicate copy of t | the reason the first pag | your facility is e of the approp | exempt from col oriate certificatio | lecting and in if you che | analyzir ck boxe | ng samp s ii, iii, i | oles from to v, or v. | vo storm | events. Atta | ch a |
| | | i. 🔲 | Participat | ing in an Appro | oved Group Mon | itoring Plan | | Group | Name: _ | | | |
| | | ii. | | | · Certification (| NEC) | | Date S | Submitted: | | | |
| | | | | ation Date: | satisfy NEC cor | nditions? | | YES | | NO | | |
| | | iii. | | d Sampling Re | duction Certific | cation (SRC | C) | Date S | Submitted: | | | |
| | | | | | satisfy SRC cor | nditions? | | YES | | NO | | |
| | · | iv. | Received | Regional Boar | d Certification | | | Certifi | cation Date | e: <u></u> | 1 1 | |
| | | v | Received | Local Agency | Certification | | | Cetific | ation Date | : | | |
| | 3. | | | es i or iii above to Section E | , were you sche | duled to sar | mple on | e storm NO | | ng the re | porting year? | ı |
| | 4. | If you ch | ecked boxe | es ii, iv, or v, go | to Section F. | | | | | | | |
| E. | SAM | 1PLING AI | ND ANALY | SIS RESULTS | | | | | | | | |
| | 1. | How mar | ny storm ev | ents did you sa | ample? | | If less that item D.2 answer | 2.i or iii. | ittach exp above, on | lanation ly attach | (if you checke explanation if | ed f you |
| | 2. | Did you o | collect storred facility of | n water sample perating hours? | es from the first of (Section B.5 of | storm of the f the Genera | e wet sea al Permi | ason tha t) | at produce | d a disch | arge during | |
| | | \boxtimes | YES | | | | | NO, | you do not | sample the | η (Please note t first storm ever mple 2 storm ev | nt, you |
| | 3. | How mar | ny storm wa | iter discharge l | ocations are at | your facility | ? | | | | | |

| 4. | For sam | each storm event sampled, did you collect and analyze a apple from each of the facilitys' storm water discharge locations? | \boxtimes | YES, go to | ltem E | .6 NO |
|-----|---------------|--|-----------------------------|--|-------------------|---|
| 5. | Was with | s sample collection or analysis reduced in accordance Section B.7.d of the General Permit? | | YES | | NO, attach explanation |
| | If "Y that | ES", attach documentation supporting your determination two or more drainage areas are substantially identical. | | | | |
| | Date | e facility's drainage areas were last evaluated// | | | | |
| 6. | Wei | re <u>all</u> samples collected during the first hour of discharge? | \boxtimes | YES | | NO, attach explanation |
| 7. | | s <u>all</u> storm water sampling preceded by three (3) king days without a storm water discharge? | \boxtimes | YES | | NO, attach explanation |
| 8. | | re there any discharges of stormwater that had been porarily stored or contained? (such as from a pond) | | YES | \boxtimes | NO, go to Item E.10 |
| 9. | cont | you collect and analyze samples of temporarily stored or ained storm water discharges from two storm events? ne storm event if you checked item D.2.i or iii. above) | | YES | | NO, attach explanation |
| 10. | Spec | ion B.5. of the General Permit requires you to analyze storm wa cific Conductance (SC), Total Organic Carbon (TOC) or Oil and in water discharges in significant quantities, and analytical para | Grease | e (O&G), oth | er poll | utants likely to be present ir |
| | a. | Does Table D contain any additional parameters related to your facility's SIC code(s)? | \boxtimes | YES | | NO, Go to Item E.11 |
| | b. | Did you analyze all storm water samples for the applicable parameters listed in Table D? | X | YES | | NO |
| | C. | If you did not analyze all storm water samples for the applicable Table D parameters, check one of the following reasons: | | | | |
| | | In prior sampling years, the parameter(s) have not be consecutive sampling events. Attach explanation | | etected in si | gnificar | nt quantities from two |
| | | The parameter(s) is not likely to be present in storm discharges in significant quantities based upon the | n water facility | discharges operator's e | and au valuati | thorized non-storm water on. Attach explanation |
| | | Other. Attach explanation | | | | |
| 11. | For resu | each storm event sampled, attach a copy of the laboratory analults using Form 1 or its equivalent. The following must be provi | lytical r ded for | eports and r each samp | eport the | ne sampling and analysis cted: |
| | • | Date and time of sample collection Name and title of sampler. Parameters tested. Name of analytical testing laboratory. Discharge location identification. | Test m Test de Date o | g results. nethods use etection limi if testing. s of the labo | ts. | analytical results. |
| | | | | | | |

F. QUARTERLY VISUAL OBSERVATIONS

1.

| | Secti | uthorized Non-Storm Water Discharges ection B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water scharges and their sources. | | | | | | | | |
|----|---|---|---|--|--|--|--|--|--|--|
| | a. | Do authorized non-storm water discharges occur at you | ur facility? | | | | | | | |
| | | YES NO Go to Ite | em F.2 | | | | | | | |
| | b. | Indicate whether you visually observed all authorized reduring the quarters when they were discharged. Attac "N/A" for quarters without any authorized non-storm was | h an explanation for any "NO" answers. Indicate | | | | | | | |
| | | July -September YES NO N/A | October-December YES NO N/A | | | | | | | |
| | | January-March YES NO N/A | April-June YES NO N/A | | | | | | | |
| | C. | Use Form 2 to report quarterly visual observations of a provide the following information. | authorized non-storm water discharges or | | | | | | | |
| | | i. name of each authorized non-storm water dischar ii. date and time of observation iii. source and location of each authorized non-storm iv. characteristics of the discharge at its source and i v. name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or discharges. Provide new or revised BMP implement | water discharge mpacted drainage area/discharge location prevent pollutants in authorized non-storm water | | | | | | | |
| 2. | Unauthorized Non-Storm Water Discharges Section B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. | | | | | | | | | |
| | a. | Indicate whether you visually observed all drainage ar storm water discharges and their sources. Attach an | | | | | | | | |
| | | July -September X YES NO | October-December X YES NO | | | | | | | |
| | | January-March X YES NO | April-June X YES NO | | | | | | | |
| | b. | Based upon the quarterly visual observations, were ar | ny unauthorized non-storm water discharges detected? | | | | | | | |
| | | YES X | NO Go to item F.2.d | | | | | | | |
| | C. | Have each of the unauthorized non-storm water disc | harges been eliminated or permitted? | | | | | | | |
| | | YES | NO Attach explanation | | | | | | | |
| | d. | Use Form 3 to report quarterly unauthorized non-sto following information. | rm water discharge visual observations or provide the | | | | | | | |
| | | | storm water discharge. Indimpacted drainage area/discharge location. The source of each unauthorized non-storm water as. Provide date unauthorized non-storm water | | | | | | | |

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during the first hour of discharge or, in the case of temporarily stored or contained storm water, at the time of discharge.

Indicate below whether monthly visual observations of storm water discharges occurred at <u>all</u> discharge locations. Attach an explanation for any "NO" answers. Include in this explanation whether any eligible storm events occurred during scheduled facility operating hours that did not result in a storm water discharge, and provide the date, time, name and title of the person who observed that there was no storm water discharge.

| October | YES | NO | February | YES | NO |
|----------|-------------|--------|----------|-------------|----|
| November | X | | March | \boxtimes | |
| December | \boxtimes | | April | \boxtimes | |
| January | \boxtimes | | May | \boxtimes | |

- 2. Report monthly wet season visual observations using Form 4 or provide the following information.
 - a. date, time, and location of observation
 - b. name and title of observer
 - c. characteristics of the discharge (i.e., odor, color, etc.) and source of any pollutants observed.
 - d. any new or revised BMPs necessary to reduce or prevent pollutants in storm water discharges. Provide new or revised BMP implementation date.

ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION (ACSCE)

H. ACSCE CHECKLIST

Section A.9 of the General Permit requires the facility operator to conduct one ACSCE in each reporting period (July 1-June 30). Evaluations must be conducted within 8-16 months of each other. The SWPPP and monitoring program shall be revised and implemented, as necessary, within 90 days of the evaluation. The checklist below includes the minimum steps necessary to complete a ACSCE. Indicate whether you have performed each step below. Attach an explanation for any "NO" answers.

| 1. | Have you inspected all potential pollutant sources and industrial activities areas? | X YES | NO |
|----|---|-------|----|
| | The following areas should be inspected: | | |

- areas where spills and leaks have occured during the last year.
- outdoor wash and rinse areas.
- process/manufacturing areas.
- loading, unloading, and transfer areas.
- waste storage/disposal areas.
- dust/particulate generating areas.
- · erosion areas.

- building repair, remodeling, and construction
- material storage areas
- vehicle/equipment storage areas
- truck parking and access areas
- rooftop equipment areas
- vehicle fueling/maintenance areas
- non-storm water discharge generating areas
- 2. Have you reviewed your SWPPP to assure that its BMPs address existing potential pollutant sources and industrial activities areas?

3. Have you inspected the entire facility to verify that the SWPPP's site map, is up-to-date? The following site map items should be verified:

X YES NO

X YES NO

- facility boundaries
- outline of all storm water drainage areas
- areas impacted by run-on

- storm water discharges locations
- storm water collection and conveyance system
- structural control measures such as catch basins, berms, containment areas, oil/water separators, etc.

| 4 | 4. | Have you reviewed all General Permit compliance record since the last annual evaluation? | ds generated | X YES | NO |
|----|-----------|---|---|---|---------------------------|
| | | The following records should be reviewed: | | | |
| | | quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities | water disSamplingpreventa | unauthorized non-storm charge visual observation grand Analysis records tive maintenance inspect ntenance records | ons |
| | 5. | Have you reviewed the major elements of the SWPPP to compliance with the General Permit? | o assure | X YES | Пио |
| | | The following SWPPP items should be reviewed: | | | |
| | 6. | pollution prevention team list of significant materials description of potential pollutant sources Have you reviewed your SWPPP to assure that a) the Example 1 | identification implement | nent of potential pollutan ation and description of t ented for each potential p ate | he BMPs to be |
| | 0. | in reducing or preventing pollutants in storm water disch non-storm water discharges, and b) the BMPs are being | harges and auth | orized YES | NO |
| | | The following BMP categories should be reviewed: | | | |
| | | good housekeeping practices spill response employee training erosion control quality assurance | materiawaste l | tative maintenance al handling and storage p nandling/storage ral BMPs | oractices |
| | 7. | Has all material handling equipment and equipment ne implement the SWPPP been inspected? | eded to | ⊠ YES | NO |
| 1. | <u>AC</u> | SCE EVALUATION REPORT | | | |
| | The | e facility operator is required to provide an evaluation rep | ort that includes | | |
| | • | identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions | any ind | ale for implementing SW sidents of non-complianc staken. | |
| | Us | se Form 5 to report the results of your evaluation or develo | op an equivalen | t form. | |
| J. | <u>AC</u> | CSCE CERTIFICATION | | | |
| | Th ce | ne facility operator is required to certify compliance with the rtify compliance, both the SWPPP and Monitoring Progra | e Industrial Action | vities Storm Water Gene date and be fully impler | ral Permit. To nented. |
| | | ased upon your ACSCE, do you certify compliance with th ctivities Storm Water General Permit? | e Industrial | X YES [| NO |
| | If y | you answered "NO" attach an explanation to the ACSCE ompliance with the Industrial Activities Storm Water Gener | E Evaluation Reral Permit. | port why you are not in | |

1.

ATTACHMENT SUMMARY

| Т | itle: MANAGER, ENVIRONMENTER AFF | ALRS | | |
|-----|---|---|-----------------------------------|-------------------------------|
| s | ignature:Sita | | Da <u>te: 6</u> | 118/01 |
| Ρ | rinted Name: PETER CHIW | | | |
| | nowing violations. | | | |
| si | gnificant penalties for submitting false information, including t | the possibility of t | ine and impriso | onment for |
| W | ho manage the system, or those person directly responsible fubmitted is, to the best of my knowledge and belief, true, accu | or gathering the i irate and complet | ntormation, the te. I am aware | information that there are |
| De | ersonnel properly gather and evaluate the information submitt | ed. Based on my | / inquiry of the | person or persons |
| Ы | ERMIT (see Standard Provision C.9) and I certify under penalere prepared under my direction or supervision in accordance | ity of law that this | document and | all attachments |
| 1 - | am duly authorized to sign reports required by the INDUSTRIA | AL ACTIVITIES S | TORM WATER | R GENERAL |
| Α | NNUAL REPORT CERTIFICATION | | | |
| | | | | |
| | G.1, H.1-H.7, or J? | X YES | ☐ NO | ☐ NA |
| 4. | Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, | | | |
| | appropriate certifications? | | | |
| 3. | If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the | YES | NO | X NA |
| | laboratory analytical reports? | y | | |
| 2. | If you conducted sampling and analysis, have you attached the | X YES | □ NO | □ NA |
| 1. | Have you attached Forms 1,2,3,4, and 5 or their equivalent? | X YES (M | andatory) | |
| Αp | plicable) to questions 2-4 if you are not required to provide those at | tachments. | | |
| An | swer the questions below to help you determine what should be atta | iched to this annua | I report. Answer | NA (Not |



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Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attention: Peter Chui

Number of Pages 16 Date Received 02/13/2001 Date Reported 02/26/2001

| Job | Number | Order Date | Client |
|-----|--------|------------|--------|
| | 17895 | 02/13/2001 | VULCAN |

Project Name: Hewitt Storm Water Sampling

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Ol Serrean Approved By: CRon

Cyrus Razmara, Ph.D. Laboratory Director



CHAIN OF CUSTODY ... CORD

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| COMPANY COUCH JULEAN Mater | PHONE | (213) 258-2771 | AETL J | | 1 / 3 | | | Page of |
|--|-----------------------------------|--------------------|--|------|---|--------------------------|---|------------------------------|
| IPHOJECT MANAGER | rax. | | | | SIS REQUE | STED | | TEST INSTRUCTIONS & COMMENTS |
| PROJECT NAME - CWH Slorm Water S | PROJE | CT# | | a En | W | | | |
| SITE NAME AND | | | | N 17 | BTX E | | | |
| ADDRESS | | | _ 😿 📙 | P2. | 1,-1 | | | |
| SAMPLE ID LAB ID DATE | TIME MATRIX | CONTAINER PRES. | Dex. | 5 | Set Set Set Set Set Set Set Set Set Set | 25 | | Please Send results |
| MEN.TT ME87146 2-13-61 | 0930 Water | 11t amber Ice | W | | | | | + Invoice to |
| ² 1' | | 1Lt amber | i/ | | | At | Hih (| Vill Can Materials Co. |
| | | 1Lt Plastic | | | $\sqrt{}$ | Ret | | 3200 Squ Fernando Rd. |
| | | 1.25 ML plast | | | | | 241 | LA Ca 90065 |
| 5 11 | (2) | | | | V | | | PLEUSE Simil Copy |
| () | | 1 Lt plastic | | | | 1/ | | Of amalytical vesalts |
| | | ! | | | | | _ _ | to: |
| 2 | | \ | | | | | | Valcon Waterial Co. |
| 7 | | | | | | | | 1801 University Dr. |
| (0 | | | | | | | | Phousix Az 85034 |
| 11 | | | | | | | | Attn: Dan |
| 12 | | | | | | | | Zeller |
| <i>a</i> | | | | | | | | |
| 15 | | | | | | | | |
| 15 | | | | | | | | |
| SAMPLE RECEIPT - TO BE FILLED | BY LABORATOR | 19 7 | / / //. | 1. | RELINGUISHE | D BY: | 2. | RELINQUISHED BY: 3. |
| TOTAL NUMBER OF CONTAINERS PROPERLY | Y COOLED (Y) N / NA | Signature | 2/4/11 | ۱ | Signature: | and the property of | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | Signature: |
| CUSTODY SEALS Y/N/NA SAMPLES | INTACT (V)N / NA | Printed Name: | M=Ard | | Printed Name: | , or programme to | | Printed Name: |
| RECEIVED IN GOOD COND (Y) N SAMPLES | ACCEPTED (7) N | Date: 2-13-01 | Time: | らくと | Date: | Time. | | Date |
| TURN AROUND TIME | | RECEIVED BY: | <i>C</i> - | 1, ° | RECEIVED BY: | | 2. | RECEIVED BY 3. |
| | | Signature: | A Section of the second | | Signature: | at a summary of the same | | Signatura) |
| NORMAL RUSH | ☐ SAME DAY ☐ 48 ☐ 24 HRS. ☐ 72 | HRS. Printed Name: | Car Company | | Printed Name | | | Printed Name |
| DICTDIDITION, WHITE Lobovstow, CANADY Labore | | Date: | Time: | ممع. | Date: | Time: | | Date: Jime: 19.55 |



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ANALYTICAL RESULTS

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Telephone: (323)258-2777

Attn:

Peter Chui

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Hewitt Storm Water Sampling

Submitted Client AETL Job Number VULCAN 02/13/2001 17895

| olect Name: Hewitt Storm water Sampring | | | | | | | |
|---|-----------------------------------|--|---|--|--|---|---|
| | | | AE89146 | | | | |
| | | Method Blank | Hewitt | | | | |
| Client Sample I.D. Date Sampled | | | | | | | |
| Matrix | | | | | | | |
| Method | Units | MDL | PQL | Analyzed | Results | Results | |
| 120.1 | umhos/cm | 5.0 | 10.0 | 02/14/2001 | ND | 64 | |
| 150.1 | pH unit | 0.01 | 0.01 | 02/13/2001 | AN | 7.53 | |
| 160.2 | mg/L | 5.0 | 10.0 | 1 ' : | | 264 | |
| 325.3 | mg/L | 0.5 | 1.0 | 02/19/2001 | ND | 4 | |
| | Method 120.1 150.1 160.2 | Method Units 120.1 umhos/cm 150.1 pH unit 160.2 mg/L | Method Units MDL 120.1 umhos/cm 5.0 150.1 pH unit 0.01 160.2 mg/L 5.0 | Method Units MDL PQL 120.1 umhos/cm 5.0 10.0 150.1 pH unit 0.01 0.01 160.2 mg/L 5.0 10.0 | Method Units MDL PQL Analyzed 120.1 umhos/cm 5.0 10.0 02/14/2001 150.1 pH unit 0.01 0.01 02/13/2001 160.2 mg/L 5.0 10.0 02/15/2001 | Method Blank 02/13/2001 Aqueous Method Units MDL PQL Analyzed Results 120.1 umhos/cm 5.0 10.0 02/14/2001 ND 150.1 pH unit 0.01 0.01 02/13/2001 NA 160.2 mg/L 5.0 10.0 02/15/2001 ND | Method Blank Hewitt 02/13/2001 02/13/2001 02/13/2001 02/13/2001 Aqueous Aqueous Method Units MDL PQL Analyzed Results Results 120.1 umhos/cm 5.0 10.0 02/14/2001 ND 64 150.1 pH unit 0.01 0.01 02/13/2001 NA 7.53 160.2 mg/L 5.0 10.0 02/15/2001 ND 264 |



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Page

3

Project Name: Hewitt Storm Water Sampling

AETL Job Number Submitted Client 17895 02/13/2001 VULCAN

| • | | | | | | | |
|-------------|----------------|--------------------------|----------------------------------|---|--|---|--|
| | | | | | | AE89146 | |
| | | | | | Method Blank | Hewitt | |
| ate Sampled | | | | | | | |
| Matrix | | | | | | | |
| Method | Units | MDL | PQL | Analyzed | Results | Results | |
| 405.1 | mg/L | 5.0 | 5.0 | 02/19/2001 | ND | ND | <u> </u> |
| 410.4 | mg/L | 5.0 | 10.0 | 02/22/2001 | ND | 12 | · |
| EPA-1664 | mg/L | 0.5 | 1.0 | 02/14/2001 | ND | 3.3 | |
| | 405.1 410.4 | 405.1 mg/L 410.4 mg/L | 405.1 mg/L 5.0 410.4 mg/L 5.0 | 405.1 mg/L 5.0 5.0 410.4 mg/L 5.0 10.0 | Method Units MDL PQL Analyzed 405.1 mg/L 5.0 5.0 02/19/2001 410.4 mg/L 5.0 10.0 02/22/2001 | 02/13/2001 Aqueous Method Units MDL PQL Analyzed Results 405.1 mg/L 5.0 5.0 02/19/2001 ND 410.4 mg/L 5.0 10.0 02/22/2001 ND | Method Blank Hewitt 02/13/2001 02/13 |



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Page:

4

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QC Batch Number: 02222001/02222001

| Our Lab I.D. | | | | AE89146 | | |
|--------------------|------|------|--------------|------------|--|------|
| Client Sample I.D. | | | Method Blank | Hewitt | | |
| Date Sampled | | | 02/13/2001 | 02/13/2001 | | |
| Date Prepared | | | 02/22/2001 | 02/22/2001 | | |
| Preparation Method | | | 3005A | 3005A | | |
| Date Analyzed | | | 02/22/2001 | 02/22/2001 | | |
| Matrix | | | Aqueous | Aqueous | | |
| Units | | | mg/L | mg/L | | 12.5 |
| Dilution Factor | | | 1 | 1 | | , |
| Analytes | MDL | PQL | Results | Results | | |
| Calcium | 0.25 | 0.50 | ND | 10.0 | | |
| Lead | 0.05 | 0.10 | ND | 0.09J | | |
| Nickel | 0.01 | 0.05 | ND | 0.02J | | |
| Sodium | 0.25 | 0.50 | ND | 3.14 | | |
| Zinc | 0.01 | 0.05 | ND | 0.15 | | |



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Page:

5

Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 02132001/02132001

| Our Lab I.D. | | | | AE89146 | | |
|--|------|------|--------------|------------|--|--|
| Client Sample I.D. | | | Method Blank | Hewitt | | |
| Date Sampled | | | 02/13/2001 | 02/13/2001 | | |
| Date Prepared | | | 02/13/2001 | 02/13/2001 | | |
| Preparation Method | | | 5030B | 5030B | | |
| Date Analyzed | | | 02/13/2001 | 02/13/2001 | | |
| Matrix | | | Aqueous | Aqueous | | |
| Units | | | ug/L | ug/L | | |
| ilution Factor | | | 1 | 1 | | |
| Analytes | MDL | PQL | Results | Results | | |
| Benzene | 0.25 | 0.50 | ND | ND | | |
| Ethylbenzene | 0.25 | 0.50 | ND | ND | | |
| Toluene (Methyl benzene) | 0.25 | 0.50 | ND | ND | | |
| Xylenes (Total) | 0.50 | 1.00 | ND | ND | | |
| TPH as Gasoline and Light HC. (C4-C12) | 5.0 | 10.0 | ND | ND | | |

| Our Lab I.D. | | | AE89146 | | |
|--------------------|-----------|--------|---------|--|--|
| Surrogates | Con.Limit | % Rec. | % Rec. | | |
| Bromofluorobenzene | 75-125 | 102 | 102 | | |
| Trifluorotoluene | 75-125 | 96 | 100 | | |



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Page:

6

Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 02152001/02152001

| Our Lab I.D. | | | | AE89146 | | |
|--|-----|-----|--------------|------------|--|--|
| Client Sample I.D. | | | Method Blank | Hewitt | | |
| Date Sampled | | | 02/13/2001 | 02/13/2001 | | |
| Date Prepared | | | 02/15/2001 | 02/15/2001 | | |
| Preparation Method | | | 3510C | 3510C | | |
| Date Analyzed | | | 02/15/2001 | 02/15/2001 | | |
| Matrix | | | Aqueous | Aqueous | | |
| Units | | | mg/L | mg/L | | |
| Dilution Factor | | | 1 | 1 | | |
| Analytes | MDL | PQL | Results | Results | | |
| TPH as Diesel (C12-C23) | 0.1 | 0.5 | ND | ND | | |
| TPH as Heavy Hydrocarbons (C23-C40) | 0.1 | 0.5 | ND | ND | | |
| TPH Total as Diesel and Heavy HC.C12-C40 | 0.1 | 0.5 | ND | ND | | |

| Our Lab I.D. | | | AE89146 | | |
|---------------|-----------|--------|---------|---------|--|
| Surrogates | Con.Limit | % Rec. | % Rec. | | |
| Chlorobenzene | 75~125 | 91 | 100 | <u></u> | |



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Page:

7

Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 02142001/02142001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------------------|--------|--------|-----|---------|--------|--------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Specific conductance | 1,880 | - | <1 | <15 | 141.30 | 141.30 | 100 | 80-120 | |



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ANALYTICAL RESULTS

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Page:

8

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02132001/02132001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|---|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
| pH | 7.53 | 7.51 | <1 | <15 | 7.00 | 7.07 | 101 | 80-120 | - | |



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Page:

9

Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 02152001/02152001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|------------------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Total Suspended Solids (TSS) | 956 | 976 | 2.1 | <15 | 100.00 | 94.00 | 94 | 80-120 | |



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Page:

10

Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 02222001/02222001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--------|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Calcium | 1.00 | 1.00 | 100 | 1.00 | 0.99 | 99 | 1.0 | 80-120 | <15 | |
| Lead | 1.00 | 0.93 | 93 | 1.00 | 0.93 | 93 | <1 | 80-120 | <15 | |
| Nickel | 1.00 | 0.91 | 91 | 1.00 | 0.90 | 90 | 1.1 | 80-120 | <15 | |
| Sodium | 1.00 | 0.96 | 96 | 1.00 | 0.97 | 97 | 1.0 | 80-120 | <15 | gerte. |
| Zinc | 1.00 | 0.93 | 93 | 1.00 | 0.93 | 93 | <1 | 80-120 | <15 | |

QC Batch Number: 02222001/02222001

| | LCS | LCS | LCS | LCS/LCSD | | | |
|----------|--------|-------|-------|----------|--|--|--|
| Analytes | Concen | Recov | % REC | % Limit | | | |
| Calcium | 1.00 | 1.00 | 100 | 80-120 | | | |
| Lead | 1.00 | 0.97 | 97 | 80-120 | | | |
| Nickel | 1.00 | 0.97 | 97 | 80-120 | | | |
| Sodium | 1.00 | 0.98 | 98 | 80-120 | | | |
| Zinc | 1.00 | 0.97 | 97 | 80-120 | | | |



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Page:

11

Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02192001/02192001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chloride | 20.00 | 21.00 | 105 | 20.00 | 20.00 | 100 | 4.8 | 80-120 | <15 | |

QC Batch Number: 02192001/02192001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | | |
| Chloride | 55 | 55 | <1 | <15 | 20.00 | 20.00 | 100 | 80-120 | |



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Page:

12

Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

OC Batch Number: 02142001/02142001

| QC Daten name - 02112001 | , 0 | | | | | | | | | 3 |
|---------------------------------------|--------|--------|-----|---------|--------|-------|-------|----------|----------|---|
| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | |
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
| Riochemical Oxygen Demand (BOD) | ND | ND | <1 | <15 | 36.00 | 33.12 | 92 | 80-120 | <u> </u> | |
| - Hatocoemical La vyell Deliala (DOD) | | 1 | 1 | t . | | | | | | |



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ANALYTICAL RESULTS

Ordered By

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Telephone: (323)258-2777 Attn: Peter Chui

Page:

13

Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|------------------------|--------|--------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chemical Oxygen Demand | 100.00 | 108.00 | 108 | 100.00 | 104.00 | 104 | 3.7 | 80-120 | <15 | |

| | | | | | | | | T | T |
|------------------------|--------|--------|-----|---------|--------|--------|-------|----------|-------|
| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| 'hemical Oxygen Demand | 5J | 5J | <1 | <15 | 100.00 | 109.00 | 109 | 80-120 | |



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Attn:

Peter Chui

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14

Project Name:

Hewitt Storm Water Sampling

AETL Job Number Submitted Client
17895 02/13/2001 VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC QUALITY CONTROL REPORT

QC Batch Number: 02132001/02132001

| MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|--------|--------------------------|--|--|---|---|---|--|--|--|
| Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| 50.00 | 55.00 | 110 | 50.00 | 55.00 | 110 | <1 | 75-125 | <20 | |
| 50.00 | 55.00 | 110 | 50.00 | 55.00 | 110 | <1 | 75-125 | <20 | |
| 50.00 | 53.00 | 106 | 50.00 | 54.00 | 108 | 1.8 | 75-125 | <20 | |
| | | | | | | | | | |
| 50.00 | 56.00 | 112 | 50.00 | 55.00 | 110 | 1.8 | 75-125 | <20 | Vi Z |
| 100.00 | 107.00 | 107 | 100.00 | 107.00 | 107 | <1 | 75-125 | <20 | |
| | Concen 50.00 50.00 50.00 | Concen Recov 50.00 55.00 50.00 55.00 50.00 53.00 50.00 56.00 | Concen Recov % REC 50.00 55.00 110 50.00 55.00 110 50.00 53.00 106 50.00 56.00 112 | Concen Recov % REC Concen 50.00 55.00 110 50.00 50.00 55.00 110 50.00 50.00 53.00 106 50.00 50.00 56.00 112 50.00 | Concen Recov % REC Concen Recov 50.00 55.00 110 50.00 55.00 50.00 55.00 110 50.00 55.00 50.00 53.00 106 50.00 54.00 50.00 56.00 112 50.00 55.00 | Concen Recov % REC Concen Recov % REC 50.00 55.00 110 50.00 55.00 110 50.00 55.00 110 50.00 55.00 110 50.00 53.00 106 50.00 54.00 108 50.00 56.00 112 50.00 55.00 110 | Concen Recov % REC Concen Recov % REC % 50.00 55.00 110 50.00 55.00 110 <1 | Concen Recov % REC Concen Recov % REC % Limit 50.00 55.00 110 50.00 55.00 110 <1 | Concen Recov % REC Concen Recov % REC % Limit % Limit % Limit 50.00 55.00 110 50.00 55.00 110 <1 |

QC Batch Number: 02132001/02132001

| | LCS | LCS | LCS | LCS/LCSD | | | | |
|--------------------------|--------|--------|-------|----------|--|--|----------|---|
| Analytes | Concen | Recov | % REC | % Limit | | | | |
| Benzene | 50.00 | 56.00 | 112 | 75-125 | | | | ļ |
| Ethylbenzene | 50.00 | 54.00 | 108 | 75-125 | | | <u> </u> | |
| Toluene (Methyl benzene) | 50.00 | 53.00 | 106 | 75-125 | | | | |
| LCS | | | | | | | | |
| o-Xylene | 50.00 | 55.00 | 110 | 75-125 | | | | |
| m,p-Xylenes | 100.00 | 105.00 | 105 | 75-125 | | | <u> </u> | |



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ANALYTICAL RESULTS_

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Attn:

Peter Chui

Page:

15

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: EPA-1664, Oil and Grease QUALITY CONTROL REPORT

QC Batch Number: 02142001/02142001

| | LCS | LCS | LCS | LCS/LCSD | | | |
|----------------|--------|-------|-------|----------|--|--|--|
| Analytes | Concen | Recov | % REC | % Limit | | | |
| Oil and Grease | | | 94 | 80-120 | | | |



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Telephone: (323)258-2777

Attn:

Peter Chui

Page:

16

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 17895 | 02/13/2001 | VULCAN |

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch Number: 02152001/02152001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|-------------------------|--------|-------|---------------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | Recov % REC (| | Recov | % REC | % | % Limit | % Limit | |
| TPH as Diesel (C12-C23) | 25.00 | 25.25 | 101 | 25.00 | 25.50 | 102 | <1 | 75-125 | <20 | |

QC Batch Number: 02152001/02152001

| | LCS | LCS | LCS | LCS/LCSD | | | | |
|-------------------------|--------|-------|-------|----------|--|----------|----------|--|
| Analytes | Concen | Recov | % REC | % Limit | | | | |
| TPH as Diesel (C12-C23) | 25.00 | 25.25 | 101 | 75-125 | | <u> </u> | <u> </u> | |



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Data Qualifiers and Descriptors

Data Qualifier:

B: Analyte was present in the Method Blank.

D: Result is from a diluted analysis.

E: Result is beyond calibration limits and is estimated.

J: Analyte was detected. However, the analyte concentration is an estimated value, which is between the

Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi: Percent acceptable limits.

%REC: Percent recovery.

Con.L: Acceptable Control Limits

Conce: Added concentration to the sample.

LCS: Laboratory Control Sample

MDL: Method Detection Limit

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can

be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical

instrumentation and practice.

Recov: Recovered concentration in the sample.

RPD: Relative Percent Difference



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Telephone: (323)258-2777 Attention: Peter Chui

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| Job Number | Order Date | Client |
|------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Project Name: Hewitt Storm Water Sampling

Site: He

Hewitt

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By: Approved By: C. Romane

Cyrus Razmara, Ph.D. Laboratory Director



CHAIN OF CUSTODY CORD.

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| COMPANY | OMPANY VUI Can Materials Co-CalMat D.V. PHONE 323-258-27 | | | | | | | AETL | _ JOE | 3 No. | | NO. 18086 | | | | | Page ol | | |
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| VUICan | n Materi | als Co-Cal | Mat D. | V. FAX | 323. | 258- | 2/17 | | | | 212 | DEC | LIES | TED | | | | | |
| PROJECT MANAGER | 5). | | | FAX | | | F | क्र | 3 | ٦ | | | | T | T | T T | EST INSTRUCTIONS | 3 & COM | MENTS |
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| SAMPLI | E RECEIPT | TO BE FILLE | | | HY | SAMPLER: | Steve | 1137 | VI | <u>و : </u> | Sign | ature: | | | | | Signature: | | |
| TOTAL NUMBER OF CO | NTAINERS | 1 1 | LY COOLED | _ | | Signature: | telle? | <u> </u> | W | n | | ted Nam | e: | | | 7 | Printed Name: | | |
| CUSTODY SEALS Y | NA (| SAMPLE | SINTACT (V | ÀI/NA | | Printed Name | | | | | | | | | Time: | ······································ | Date: | Time: | |
| RECEIVED IN GOOD COND. (Y) N SAMPLES ACCEPTED Y N | | | Dala: 15/2 | / | ilme | 17: | '31' | Date | | | | | | RECEIVED BY | | | | | |
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DISTRIBUTION: WHITE - Laboratory, CANARY - Laboratory, PINK - Project/Account Manager, YELLOW - Sampler/Originator

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ANALYTICAL RESULTS

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Telephone: (323)258-2777 Peter Chui Attn:

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2

Site

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| AETL | Job Number | Submitted | Client |
|------|------------|------------|--------|
| | 18086 | 03/05/2001 | VULCAN |

| Project Name: Hewitt Storm Water Sampling | | | | | | 03/ | 05/2001 | VULCAN |
|---|----------|--------------|------------|------|------------|---------|---------|--------|
| Our Lab I.D. | | | AE90419 | | | | | |
| Client Sample I.D. | | Method Blank | OF-001 | | | | | |
| Date Sampled | | 03/05/2001 | 03/05/2001 | | | | | |
| Matrix | | | | | | Aqueous | Aqueous | |
| Analytes | Method | Units | MDL | PQL | Analyzed | Results | Results | |
| Specific conductance | 120.1 | umhos/cm | 5.0 | 10.0 | 03/05/2001 | ND | 68 | |
| pH | 150.1 | pH unit | 0.01 | 0.01 | 03/05/2001 | NA | 8.39 | |
| Total Suspended Solids (TSS) | 160.2 | mg/L | 5.0 | 10.0 | 03/09/2001 | ND | 762 | |
| Calcium | 200.7 | mg/L | 0.25 | 0.50 | 03/08/2001 | ND | 15.9 | |
| Lead | 200.7 | mg/L | 0.05 | 0.10 | 03/08/2001 | ND | 0.24 | |
| Nickel | 200.7 | mg/L | 0.01 | 0.05 | 03/08/2001 | ND | 0.04J | |
| Sodium | 200.7 | mg/L | 0.25 | 0.50 | 03/08/2001 | ND | 3.28 | |
| Zinc | 200.7 | mg/L | 0.01 | 0.05 | 03/08/2001 | ND | 0.27 | |
| Chloride | 325.3 | mg/L | 0.5 | 1.0 | 03/09/2001 | ND | 2 | |
| Biochemical Oxygen Demand (BOD) | 405.1 | mg/L | 5.0 | 5.0 | 03/12/2001 | ND | ND | |
| Chemical Oxygen Demand | 410.4 | mg/L | 5.0 | 10.0 | 03/08/2001 | ND | 39 | |
| Oil and Grease | EPA-1664 | mg/L | 0.5 | 1.0 | 03/05/2001 | ND | 4.0 | |



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ANALYTICAL RESULTS

| Ordered By | |
|--------------------------------|--|
| Vulcan Materials CoCalmat Div. | |
| | |

3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: Peter Chui

Project Name:

Page:

Hewitt Storm Water Sampling

| Hewitt | | |
|--------|--|--|
| | | |

AETL Job Number Submitted Client
18086 03/05/2001 VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 03062001/03062001

3

| Our Lab I.D. | | | | AE90419 | | |
|--|------|------|--------------|------------|--|--|
| Client Sample I.D. | | | Method Blank | OF-001 | | |
| Date Sampled | | | 03/05/2001 | 03/05/2001 | | |
| Date Prepared | | | 03/06/2001 | 03/06/2001 | | |
| Preparation Method | | | 5030B | 5030B | | |
| Date Analyzed | | | 03/06/2001 | 03/06/2001 | | |
| Matrix | | | Aqueous | Aqueous | | |
| Inits | | | ug/L | ug/L | | |
| ilution Factor | | | 1 | 1 | | |
| Analytes | MDL | PQL | Results | Results | | |
| Benzene | 0.25 | 0.50 | ND | ND | | |
| Ethylbenzene | 0.25 | 0.50 | ND | 0.5 | | |
| Toluene (Methyl benzene) | 0.25 | 0.50 | ND | 1.6 | | |
| Xylenes (Total) | 0.50 | 1.00 | ND | 2.8 | | |
| Methyl-tert-butyl ether (MTBE) | 0.50 | 1.00 | ND | ND | | |
| TPH as Gasoline and Light HC. (C4-C12) | 5.0 | 10.0 | ND | 10.7 | | |

| Our Lab I.D. | | | AE90419 | | |
|--------------------|-----------|--------|---------|--|--|
| Surrogates | Con.Limit | % Rec. | % Rec. | | |
| Bromofluorobenzene | 75-125 | 112 | 106 | | |
| Trifluorotoluene | 75-125 | 98 | 100 | | |



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| Ordered by | | | |
|---------------------------|------|------|------|
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| 3200 San Fernando Road | | | |
| Los Angeles, CA 90065 | | | |

| | Section 25 | N | 30.40 |
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| Iewitt | | | |
| | | | |
| | | | 45.5 |

Telephone: (323)258-2777

Attn:

Peter Chui

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4

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 03082001/03082001

| Our Lab I.D. | | | | AE90419 | | |
|--|----------|-----|--------------|------------|--|---|
| Client Sample I.D. | <u> </u> | | Method Blank | OF-001 | | |
| Date Sampled | | | 03/05/2001 | 03/05/2001 | | |
| Date Prepared | | | 03/08/2001 | 03/08/2001 | | |
| Preparation Method | ···· | | 3510C | 3510C | | |
| Date Analyzed | | | 03/08/2001 | 03/08/2001 | | |
| Matrix | | | Aqueous | Aqueous | | |
| Units | | | mg/L | mg/L | | |
| Dilution Factor | | | 1 | 1 | | (|
| Analytes | MDL | PQL | Results | Results | | |
| TPH as Diesel (C12-C23) | 0.1 | 0.5 | ND | ND | | |
| TPH as Heavy Hydrocarbons (C23-C40) | 0.1 | 0.5 | ND | ND | | |
| TPH Total as Diesel and Heavy HC.C12-C40 | 0.1 | 0.5 | ND | ND | | |

| Our Lab I.D. | | | | AE90419 | | |
|---------------|-------|------|--------|---------|-----------------|--|
| Surrogates | Con.I | imit | % Rec. | % Rec. | Facility in the | |
| Chlorobenzene | 75- | 125 | 114 | 81 | | |



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ANALYTICAL RESULTS

| Order | ed | By |
|-------|----|----|
|-------|----|----|

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

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|----|----|

| Hewitt | 4 | Seg. | 100 | | 47.17.73 | | |
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| 110 7711 | | | | | | | |
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Telephone: (323)258-2777 Attn: Peter Chui

Page:

5

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 03052001/03052001

| ENCORPOSE E LA RESPECTA | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|-------------------------|--------|--------|-----|---------|--------|--------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Specific conductance | 73 | 73 | <1 | <15 | 141.30 | 139.89 | 99 | 80-120 | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

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|---|---|---|---|
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Telephone: (323)258-2777

Attn:

Peter Chui

Page:

6

Project Name:

Hewitt Storm Water Sampling

| AET | L Job Number | Submitted | Client |
|-----|--------------|------------|--------|
| | 18086 | 03/05/2001 | VULCAN |

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

OC Batch Number: 03052001/03052001

| QC 20000 | , | | | | | | | | | ٦ |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|------|---|
| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | 1 | |
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
| nH | 6.28 | 6.26 | <1 | <15 | 7.00 | 7.00 | 100 | 80-120 | | j |
| 11111 | | 1 | | | | | | | | |



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ANALYTICAL RESULTS

| Ordered By | |
|--------------------------------|--|
| Vulcan Materials CoCalmat Div. | |
| 3200 San Fernando Road | |
| Los Angeles CA 90065 | |

| Site | |
|--------|--|
| Hewitt | |
| | |

Telephone: (323)258-2777 Attn: Peter Chui

Page:

.

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 03092001/03092001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|------------------------------|--------|--------|-----|---------|--------|--------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Total Suspended Solids (TSS) | 24 | 24 | <1 | <15 | 100.00 | 103.00 | 103 | 80-120 | |



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ANALYTICAL RESULTS

Hewitt

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Peter Chui Attn:

Page:

Project Name:

Hewitt Storm Water Sampling

| AETL Job N | umber | Submitted | Client |
|------------|-------|------------|--------|
| 18086 | 6 | 03/05/2001 | VULCAN |

18086

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

OUALITY CONTROL REPORT

QC Batch Number: 03082001/03082001

| | | | | | | | | , | | |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|----------|
| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Calcium | 1.00 | 1.04 | 104 | 1.00 | 1.10 | 110 | 5.6 | 80-120 | <15 | |
| Lead | 1.00 | 0.99 | 99 | 1.00 | 0.99 | 99 | <1 | 80-120 | <15 | |
| Nickel | 1.00 | 0.97 | 97 | 1.00 | 0.96 | 96 | 1.0 | 80-120 | <15 | |
| Sodium | 1.00 | 0.97 | 97 | 1.00 | 1.02 | 102 | 5.0 | 80-120 | <15 | 7 |
| Zinc | 1.00 | 0.98 | 98 | 1.00 | 0.97 | 97 | 1.0 | 80-120 | <15 | <u> </u> |

QC Batch Number: 03082001/03082001

| | LCS | LCS | LCS | LCS/LCSD | | | |
|----------|--------|-------|-------|----------|--|----------|----------|
| Analytes | Concen | Recov | % REC | % Limit | | | |
| Calcium | 1.00 | 1.01 | 101 | 80-120 | | | |
| Lead | 1.00 | 1.00 | 100 | 80-120 | | | |
| Nickel | 1.00 | 0.99 | 99 | 80-120 | | | |
| Sodium | 1.00 | 1.02 | 102 | 80-120 | | | |
| Zinc | 1.00 | 0.99 | 99 | 80-120 | | <u> </u> | <u> </u> |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

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Telephone: (323)258-2777

Attn:

Peter Chui

Page:

9

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 03092001/03092001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chloride | 20.00 | 20.60 | 103 | 20.00 | 19.60 | 98 | 4.9 | 80-120 | <15 | |

QC Batch Number: 03092001/03092001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Chloride | 2 | 2 | <1 | <15 | 20.00 | 20.00 | 100 | 80-120 | |



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ANALYTICAL RESULTS

| Ordered By | | |
|--------------------------------|------|--|
| Vulcan Materials CoCalmat Div. | | |
| 3200 San Femando Road | | |
| Los Angeles, CA 90065 | | |

| pice | |
|--------|--|
| Hewitt | |

Telephone: (323)258-2777

Attn:

Peter Chui

Page:

10

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 03072001/03072001

| | | | | | | | |
|---------------------------------|--------|--------|-------|----------|------|------|------|
| | LCS | LCS | LCS | LCS/LCSD | | | |
| Analytes | Concen | Recov | % REC | % Limit | | | |
| Biochemical Oxygen Demand (BOD) | 150.00 | 136.50 | 91 | 80-120 | | | |



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ANALYTICAL RESULTS

| Ordered By | |
|--------------------------------|-----|
| Vulcan Materials CoCalmat Div. | 3.5 |
| 3200 San Fernando Road | |
| Los Angeles, CA 90065 | |

| _ | | _ | _ | | | | | | | | | | | | | | | | | | | | |
|---|--------|-----|-----|------|-----|---------|--------------|----------|-----|-----------|--------|--------|-------------|-----------|---------|---------|--------|----------|---------|-------|------|------|--|
| | - | | · | | | | | | - | | | 277.0 | | | | | | 1.67 | 7.7 | | | | |
| T | T | * | LL. | 2 | | 40.00 | | A | | 13.50 | 4 - 1 | | 1154 | e () | 9.2. | | 3 | 1 | | | 200 | | |
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| | | · · | | | | | ' ' | 100 | | · · · · · | 2. | | | . : " (| 3.2 | , = - > | 12 | 1, 25-2. | | | 2 | | |
| | | | | | | 27 4 | 155 | 6.66 | | 11.21 | | | | عداد الأر | -1, 7 | | 16 | *** | | | | | |
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| | | | | | | | 1.5 | 100 | £ | 200-1 | | 7. 7. | · · · · · · | é, " | 12.1 | | | | ~ | ٠٠/٠. | 1 | | |
| | | | | | | | · . | 3 | | 200 | | | | 1 | | | | C 4.3. | 2.1 | | | | |

Telephone: (323)258-2777 Attn: Peter Chui

Page:

11

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 03082001/03082001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chemical Oxygen Demand | 50.00 | 46.50 | 93 | 50.00 | 46.00 | 92 | 1.0 | 80-120 | <15 | |

QC Batch Number: 03082001/03082001

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|------------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Chemical Oxygen Demand | 137 | 137 | <1 | <15 | 100.00 | 94.00 | 94 | 80-120 | |



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ANALYTICAL RESULTS

Ordered By

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Peter Chui

Page:

12

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QUALITY CONTROL REPORT

QC Batch Number: 03062001 / 03062001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|--------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Benzene | 50.00 | 43.00 | 86 | 50.00 | 46.00 | 92 | 6.7 | 75-125 | <20 | |
| Ethylbenzene | 50.00 | 50.00 | 100 | 50.00 | 52.00 | 104 | 3.9 | 75-125 | <20 | |
| Toluene (Methyl benzene) | 50.00 | 49.00 | 98 | 50.00 | 51.00 | 102 | 4.0 | 75-125 | <20 | |
| LCS | | | | | | | | | | |
| o-Xylene | 50.00 | 52.00 | 104 | 50.00 | 54.00 | 108 | 3.7 | 75-125 | <20 | |
| m,p-Xylenes | 100.00 | 96.00 | 96 | 100.00 | 99.00 | 99 | 3.0 | 75-125 | <20 | |

QC Batch Number: 03062001/03062001

| | LCS | LCS | LCS | LCS/LCSD | | | |
|--------------------------|--------|--------|-------|----------|--|--|--|
| Analytes | Concen | Recov | % REC | % Limit | | | |
| Benzene | 50.00 | 54.00 | 108 | 75-125 | | | |
| Ethylbenzene | 50.00 | 56.00 | 112 | 75-125 | | | |
| Toluene (Methyl benzene) | 50.00 | 55.00 | 110 | 75-125 | | | |
| LCS | | | | | | | |
| o-Xylene | 50.00 | 56.00 | 112 | 75-125 | | | |
| m,p-Xylenes | 100.00 | 106.00 | 106 | 75-125 | | | |



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ANALYTICAL RESULTS

| Ordered By | |
|--------------------------------|------|
| Vulcan Materials CoCalmat Div. | |
| 3200 San Fernando Road | |
| Los Angeles, CA 90065 | |

| Site | |
|--------|------|
| Hewitt | |

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Peter Chui

Page:

13

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: EPA-1664, Oil and Grease QUALITY CONTROL REPORT

QC Batch Number: 03052001/03052001

| | | | | | | - } |
|----------------|--------|-------|-------|----------|---|-----|
| | LCS | LCS | LCS | LCS/LCSD | D | |
| Analytes | Concen | Recov | % REC | % Limit | | _ |
| Oil and Grease | 10.00 | 9.60 | 96 | 80-120 | | |



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ANALYTICAL RESULTS

| Ordered By |
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Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

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| Hewitt | |
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Telephone: (323)258-2777

Attn:

Peter Chui

Page:

14

Project Name:

Hewitt Storm Water Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 18086 | 03/05/2001 | VULCAN |

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch Number: 03082001/03082001

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|-------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| TPH as Diesel (C12-C23) | 25.00 | 30.50 | 122 | 25.00 | 29.00 | 116 | 5.0 | 75-125 | < 20 | |

QC Batch Number: 03082001/03082001

| • | | | | | | · | | -77 | ı |
|-------------------------|--------|-------|-------|----------|------|-------|-----|-------|---|
| | LCS | LCS | LCS | LCS/LCSD | | | - / | Salar | |
| Analytes | Concen | Recov | % REC | % Limit | | | | | - |
| TPH as Diesel (C12-C23) | 25.00 | 29.50 | 118 | 75-125 | | | L | | j |



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Data Qualifiers and Descriptors

Data Qualifier:

B: Analyte was present in the Method Blank.

D: Result is from a diluted analysis.

E: Result is beyond calibration limits and is estimated.

J: Analyte was detected . However, the analyte concentration is an estimated value, which is between the

Method Detection Limit (MDL) and the Practical Quantitation Limit (PQL).

Definition:

%Limi: Percent acceptable limits.

%REC: Percent recovery.

Con.L: Acceptable Control Limits

Conce: Added concentration to the sample.

LCS: Laboratory Control Sample

MDL: Method Detection Limit

MS: Matrix Spike

MS DU: Matrix Spike Duplicate

ND: Analyte was not detected in the sample at or above MDL.

PQL: Practical Quantitation Limit or ML (Minimum Level as per RWQCB) is the minimum concentration that can

be quantified with more than 99% confidence. Taking into account all aspects of the entire analytical

instrumentation and practice.

Recovered concentration in the sample.

RPD: Relative Percent Difference



FORM 3-QUARTERLY VISUAL OBSERVATIONS OF <u>UNAUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWOs.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- · Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Pennit.
- Make additional copies of this form as necessary.

| QUARTER: JULY-SEPT 00 | | | | |
|------------------------------|--|---|-----------|--|
| DATE/TIME OF OBSERVATIONS | Observers Name: Fland forces Title: Managere | WERE UNAUTHORIZED NSWDs OBSERVED? | □ YES ØNO | If YES to either question, complete |
| THOU 7:30 PM | Signature: Transform | WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs7 | □YES □NO | reverse side. |
| DATE/TIME OF OBSERVATIONS | Observers Name: Many finant Tive: Plant Managon | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF | □YES ØNO | If YES to either question, complete |
| 11 14,00 9:00 PM | Signature: Puntan | PRIOR UNAUTHORIZED NSWD5? | TYES NO | reverse side. |
| DATE/TIME OF OBSERVATIONS | Observers Name: Fresh Parker Title: Plantmanages | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF | □YES DENO | If YES a either question, complete reverse |
| QUARTER: APRILJUNE 01 | Signature: Therefore | PRIOR UNAUTHORIZED NSWD67 | ☐YES ☐NO | side. |
| DATE/TIME OF OBSERVATIONS | Tille: Plant Pange | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF | TYES NO | If YES to either question, complete |
| 417101 6:30 DPM | Signature: | PRIOR UNAUTHORIZED NSWDs? | ☐YES ☐NO | teverse side. |

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

- Storm water discharge visual observations are required for at least one atom event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge incolors.
- Discharges of temporarity stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation. Make additional copies of this form as necessary.

| | | | | 23(V. | hiy visual observation. |
|--|--|------------------------------|--------------------|--------------------|-------------------------|
| Observation Date: October 10 2000 Observers Name: Supul Louis | Drainage Location Description | #1 | #2 | #3 | #4 |
| Tille Plantastughan | Observation Time | ☐ P.M. | : DAM | L F.M. | |
| Signature: Harry | Time Discharge Began Were Pollutants Observed | ☐ P.M. | ПРИ | TPU. | : : |
| | (If yes, complete raverse skie) | YES □ NO □ | YES . NO . | YES NO | YES NO |
| Observars Name: Mosember 2000 | Drainage Location Description: | #1 Nove | #2 | #3 | #4 |
| Tile: PLANT MANGEN | Observation Trave | □ P.M. : □ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. | |
| Signature: Muly Rom | Time Discharge Began Were Pollutanta Observed | □ P.M. : □ A.M. | ☐ P.M. : ☐ A.M. | □ P.M. | |
| | (If yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |
| Otiservation Date: December / 3 2000 | | #1 | #2 | 110 | |
| Observers Name: Make Park | Drainage Location Description | NONE | | #3 | #4 |
| THE HANTMARGEN | Observation Time | ☐ P.M. : ☐ A.M. | □ P.M. : □ A.M. | ☐ P.M. ; ☐ A.M. | |
| Signature Transform | Time Discharge Began Were Polkriants Observed | ☐ P.M. ☐ A.M. | □ P.M. : □ A.M. | | |
| | (If yes, complete reverse side) | VEC ET No. | · · · • | | |
| | (() () () () () () () () () (| YES NO | YES NO C | YES NO | YES NO |
| Observation Date: January 2/ 2001 | | #1 NDX A= | II. | 45 | YES |
| Observation Date: January 2 2001 Observers Name: FRAU PARKES Title: PLANT MANAGE | | #1 NDV = P.M. P.M. A.M. | II. | #3 P.M. | #4 |
| Absorvers Name: FRAN PARKEY | Drainage Location Description | #1 Nove | #2 P.M. | #3 P.M. | #4 |

2000-2001

ANNUAL REPORT FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

Storm water discharge visual observations are required for at least one storm at per month between October 1 and May 31,

Visual observations must be conducted during the first hour of discharge

- Discharges of temporarity stored or contained storm water must be observed at the time of discharge.
- Indicate "None" in the first column of this form if you did not conduct a monthly visual observation,
- Make additional copies of this form as necessary.

| at all discharge locations. | | · | | | |
|-----------------------------------|--|--------------------|----------------------|--------------------|--------------|
| Observation Data: February 2 2001 | Drainage Location Description | *1 NONE | #2 | #3. | #4 |
| Observers Name FRANK PARAM | misus de receiteur rescribtion | | | | |
| | Observation Time | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | ☐ P.M. : ☐ A.M. | : A |
| Title Plant Mansger | Time Discharge Began | □ P.M. : □ A.M. | ☐ P.M. : ☐ A.M. | P.M. | 니트 |
| Signature: The frame | Were Polkdants Observed (If yes, complete reverse side) | YES NO | YES ND | YES NO | YES NO NO |
| | | | | | |
| Observation Date: March 5 2001 | • | #1 | #2 | #3 | #4 |
| Fred to Farmer | Orelnage Location Description | None | · | | |
| Observers Name: THANK TANKS | Observation Time | ☐ P.M. : ☐ A.M. | P.M. | □ P.M. ; □ A.M. | □ P |
| THE PLANT MARGIN | | □ P.M. | | P.M. | 1 1 1 |
| Bignatura Jundin | Time Discharge Began Were Pollutents Observed | YES NO | ; | : <u> </u> | : P ^ |
| | (If yes, complete reverse side) | 159 TJ 40 TJ | YES NO | YES NO I | YES NO |
| Observation Date: April 9 2001 | |)#1 · | #2 | #3 | #4 |
| Observation Date: April 7 20(1) | Drainage Location Description | NONE | | | |
| Observers Name: | Chan and a Thomas | ☐ P.M. | P.M. | ☐ P.M. | |
| Tile Plant Planager | Observation Time | P.M. | : A.M. | . : A.M. | |
| Signature: | Time Discharge Began Were Pollutants Observed | ;A.M. | : <u></u> AM. | : 🗎 A.M. | |
| Ungination . | (If yes, complete reverse side) | YES NO | YES NO | YES NO | YES NO |
| | | #1 | #2 | | |
| Observation Date: May // 2001 | Drainage Location Description | 1 . | #2 | #3 | #4 |
| Observers Name: Chet Mackey | Dialitade Tricateur nes cultons | Wone | | | |
| 01/2 | Observation Tartle | □ P.M. : □ A.M. | ☐ P.M. : ☐ A.M. | : P.M. | |
| Title I Capit / Canay an | Time Dischange Begain | □ P.M. □ A.M. | ☐ P.M. : □ A.M. | P.M. | P |
| Signature: | Ware Pollutants Observed | YES NO NO | YES TI NOTI | YES TO NO TO | : <u> </u> |
| | I til ves pomolete peverse sidet | | () m m (M m) | TEST MOTE | VEG TO NO TO |

FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

| EVALUATION DATE: 6 /8 /01 | INSPECTOR NAME: Peter L | Chiu | TITLE: | MANAGER SIGNATURE: | Stoll |
|--|--|--------------|--|--|--|
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Aggregate Storage, Fueling Area, Truck Washing, Admix Storage, Maintenance Area, | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | □YES □ NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP Implementation NONE | Describe additional/revised BMPs or corrective actions and their date(s) of implementation NONE |
| Return Concrete, RAP, Parking Area | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified In your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | □YES □YO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of Implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | □NO □\es | If yes, to either question, complete the next two columns of this form | Describe deficiencies In BMPs or BMP implementation | Describe additional/revIsed BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identifled in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | □\no | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| · | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD 1999-2000 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

RECEIVED

7000 IIIN 29

Reporting Period July 1, 1999 through June 30, 2000 CALIFORNIA REGIONAL WATER

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, C, and D below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be filed) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov.

REGIONAL BOARD INFORMATION:

LOS ANGELES REGIONAL WATER BOARD 20 W. 4TH STREET, SUITE 200 LOS ANGELES, CA 90013

ROBERT TOM (213) 576-6753

E-mail: rtom@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

B. Facility WDID No:

C. Facility Operator Information:

Contact Person:

MR GEORGE COSPY PETER CHILL

(323) 258-2777

4 198002767

CALMAT CO

D. Facility Information:

Contact Person:

MR. GEORGE COSET YETER CHILL

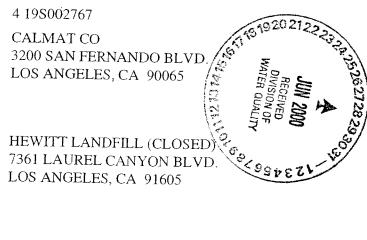
(323) 258-2777

Mailing Address:

SIC Code(s):

4953

Refuse Systems



1999-2000 ANNUAL REPORT

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

D.

Ε.

| <u>sa</u> | MPLING A | AÑĎ AI | NALYSIS EXE | EMPTIONS AND | REDUCTIONS | ≦ | | |
|-----------|-----------------------|----------------------|-----------------------------------|---|--|---------------------------|---------------------------|--|
| 1. | For the raccordar | eportir | ng period, was h sections B. | s your facility ex 12 or 15 of the (| empt from colle General Permit? | cting and | analyzin | g samples from t wo storm events in |
| | Y | ES | Go to Item I | D.2 | | XXX | NO | Go to Section E |
| 2. | Indicate copy of t | the rea | ason your faci t page of the a | lity is exempt fro appropriate certi | om collecting ar ification if you c | nd analyzii heck boxe | ng samp es ii, iii, iv | les from two storm events. Attach a v, or v. |
| | i | Partio | cipating in an | Approved Grou | p Monitoring Pl | an | Group | Name: |
| | ii | | • | osure Certifica | • | | Date S | ubmitted:// |
| | * | Does | facility contin | nue to satisfy NE | EC conditions? | | YES | NO |
| | iii. | | | ng Reduction(| | RC) | Date S | ubmitted:/ |
| | | | | nue to satisfy SF | | | YES | □ NO |
| | iv. | Rece | ived Regiona | l Board Certifica | ation | | Certific | ation Date:// |
| | v | Rece | ived Local Ag | ency Certification | on | | Certific | ation Date:// |
| 3. | If you ch | ecked | boxes i or iii a | above, were you | scheduled to s | ample on | e storm e | event during the reporting year? |
| | Y | ES | Go to Section | on E | | | NO | Go to Section F |
| 4. | If you ch | ecked | boxes ii, iv, o | rv, go to Section | n F. | | | |
| SAN | IPLING A | ND AN | <u>ĄLYSIS RESI</u> | <u>JLTS</u> | | | | |
| 1. | How mar | ny stori | m events did | you sample? | _2 | | 2.i or iii. a | tach explanation (if you checked above, only attach explanation if you |
| 2. 🕏 | Did you o | collect ed facili | storm water s ity operating h | amples from the nours? (Section | e first storm of tl B.5 of the Gene | ne wet sea eral Permit | ason tha :) | t produced a discharge during |
| | X : | YES | | | | | NO | Attach explanation |

How many storm water discharge locations are at your facility?

ONE

F. QUARTERLY VISUAL OBSERVATIONS

| 1. | Sec | thorized Non-Storm Water Discharges ction B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water charges and their sources. |
|----|------|---|
| | a. | Do authorized non-storm water discharges occur at your facility? |
| | | YES XXXX NO Go to Item F.2 |
| | b. | Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. Attach an explanation for any "NO" answers. Indicate "N/A" for quarters without any authorized non-storm water discharges. |
| | | July -September YES NO N/A October-December YES NO N/A |
| | | January-March YES NO N/A April-June YES NO N/A |
| | C. | Use Form 2 to report quarterly visual observations of authorized non-storm water discharges or provide the following information. |
| | | i. name of each authorized non-storm water discharge ii. date and time of observation iii. source and location of each authorized non-storm water discharge iv. characteristics of the discharge at its source and impacted drainage area/discharge location v. name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date. |
| 2. | Sect | buthorized Non-Storm Water Discharges tion B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the sence of unauthorized non-storm water discharges and their sources. |
| | a. | Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. Attach an explanation for any "NO" answers. |
| | | July -September X YES NO October-December X YES NO |
| | | January-March X YES NO April-June XXXXX YES NO |
| | b. | Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected? |
| | | YES XXXX NO Go to item F.2.d |
| | C. | Have each of the unauthorized non-storm water discharges been eliminated or permitted? N/A |
| | | YES NO Attach explanation |
| | d. | Use Form 3 to report quarterly unauthorized non-storm water discharge visual observations or provide the following information. |
| | | i. name of each unauthorized non-storm water discharge. ii. date and time of observation. iii. source and location of each unauthorized non-storm water discharge. iv. characteristics of the discharge at its source and impacted drainage area/discharge location. v. name, title, and signature of observer. vi. any corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated. |

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during

| | the | e first hour of dis | charge or, ir | n the case of temp | orarily sto | ored or contained | storm water, at t | he time of di | scharge. | |
|-----|---------------------|---|--|---|------------------------------------|--|--|--------------------------------|--------------------------|--|
| | 1. | locations. At storm events | tach an exp | nonthly visual obs blanation for any uring scheduled fa e, name and title o | "NO" and cility oper | swers. Include in ating hours that d | this explanation id not result in a | whether an storm water | y eligible discharge, | |
| | | October | YES | NO | | February | YES | NO | | |
| | | November | | | | March | | | | |
| | | December | | | | April | | | | |
| | | January | | | | May | X | | | |
| | 2. | Report mon | thly wet sea | son visual observa | ations usi | ng Form 4 or prov | vide the following | information | | |
| ANI | NUAL C | c. charac d. any ne Provid | ew or revised e new or rev | bserver he discharge (i.e., d BMPs necessar, vised BMP implem | y to reduc ne n tation o | e o r prevent pollu date. | ce of any polluta tants in storm wa | nts observed ater dischard | d. ges. | |
| H. | ACSCE | CHECKLIST | | | | | | | | |
| | June 30 be revis | Evaluations ed and implement | must be con ented, as ne iplete a ACS | equires the facility ducted within 8-10 cessary, within 90 GCE. Indicate who s. | 6 months days of t | of each other. Th he evaluation. Th | e SWPPP and n ie checklist belov | nonitoring pr w includes th | ogram shall | |
| | 1. H TI | ave you inspecto he following area | ed all potent as should be | ial pollutant source inspected: | es and inc | areas?XXXX YES NO | | | | |
| | • | areas where the last year. outdoor wash process/manuloading, unloa waste storage dust/particula erosion areas | and rinse aufacturing and to ading, and to e/disposal an te generatin | reas. ransfer areas. reas. | during | material stovehicle/equtruck parkinrooftop equvehicle fuel | eair, remodeling, rage areas ipment storage a g and access ar ipment areas ing/maintenance vater discharge (| areas eas areas | | |
| | 2. H | ave you reviewe otential pollutant | d your SWP sources an | PP to assure that dindustrial activiti | tits BMPs ies areas? | address existing | XXXXX YE | s [| NO | |
| | 3. H | ave you inspectoup-to-date? Th | ed the entire e following s | facility to verify the | nat the SV ould be ve | VPPP's site map, rified: | XXXXX YE | s [| NO | |
| | • | facility bound outline of all s areas impacte | storm water | drainage areas ı | • | storm water discl storm water colle structural control berms, containm | ection and conve measures such | as catch ba | sins, | |

NO

Have you reviewed all General Permit compliance records generated

since the last annual evaluation?

| | The following records should be reviewed. | | | | |
|---------------|---|---------------------|--|--|-----------------------------------|
| | quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities | • | water dischar Sampling and | uthorized non-storn ge visual observati I Analysis records maintenance insped ince records | ons |
| 5. | Have you reviewed the major elements of the SWPPP compliance with the General Permit? | to assu | ıre | XXXXX YES | ☐ NO |
| | The following SWPPP items should be reviewed: | | | | |
| | pollution prevention team list of significant materials description of potential pollutant sources | • | identification a | f potential pollutant and description of th for each potential po | ne BMPs to be |
| 6. | Have you reviewed your SWPPP to assure that a) the in reducing or preventing pollutants in storm water disc non-storm water discharges, and b) the BMPs are being | harges | and authorized | XXXXX YES | NO |
| | The following BMP categories should be reviewed: | | | | |
| | good housekeeping practices spill response employee training erosion control quality assurance | • | preventative r material hand waste handlin structural BMI | ling and storage pra g/storage | actices |
| 7. | Has all material handling equipment and equipment ne implement the SWPPP been inspected? | eded to | | XXXXX YES | NO |
| ACS | CE EVALUATION REPORT | | | | |
| The | facility operator is required to provide an evaluation repo | ort that in | ncludes: | | |
| • | identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions | • | schedule for im any incidents c actions taken. | nplementing SWPP of non-compliance a | P revisions and the corrective |
| Use | Form 5 to report the results of your evaluation or develo | p an eq | uivalent form. | | |
| ACS | <u>CE CERTIFICATION</u> | | | | |
| | ······································ | Land on the | | | |
| certif | facility operator is required to certify compliance with the fy compliance, both the SWPPP and Monitoring Program | must b | e up to date and | rm Water General I d be fully implemen | Permit. To ted. |
| Base Activ | ed upon your ACSCE, do you certify compliance with the ities Storm Water General Permit? | Industri | | YES | NO |
| If you | answered "NO" attach an explanation to the ACSCE lobiance with the Industrial Activities Storm Water General | Evaluati Permit. | on Report why | you are not in | |
| | | | | | |

1.

J.

ATTACHMENT SUMMARY

Title: MANAGER, ENVIRONMENTAL AFFAIRS

| Answer the questions below to help you determine what should be attached to this ann Applicable) to questions 2-4 if you are not required to provide those attachments. | ual report. Answer | NA (Not |
|---|--|--|
| 1. Have you attached Forms 1,2,3,4, and 5 or their equivalent? XXXXX YES | (Mandatory) | |
| 2. If you conducted sampling and analysis, have you attached the laboratory analytical reports? XXXXX YES | ☐ NO | ☐ NA |
| 3. If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications? | □ NO | XXXX NA |
| 4. Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J? | NO | ☐ NA |
| ANNUAL REPORT CERTIFICATION | | |
| I am duly authorized to sign reports required by the INDUSTRIAL ACTIVITIES of PERMIT (see Standard Provision C.9) and I certify under penalty of law that this were prepared under my direction or supervision in accordance with a system corresponded properly gather and evaluate the information submitted. Based on mowho manage the system, or those person directly responsible for gathering the submitted is, to the best of my knowledge and belief, true, accurate and completing significant penalties for submitting false information, including the possibility of fiviolations. | s document and a designed to ensur- ly inquiry of the pe information, the in te. I am aware th | all attachments e that qualified erson or persons nformation nat there are |
| Printed Name: Peter Chiu | L. C. C. C. C. C. C. C. C. C. C. C. C. C. | |
| Signature: | Date: <u>June 2</u> | 26, 2000 |



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

Ordered By

Vulcan Materials Co.-Calmat Div.

3200 San Fernando Road Los Angeles, CA 90065-5

Telephone: (323)258-2777 Attention: George Cosby

Number of Pages 12

Date Received

04/17/2000

Date Reported

04/28/2000

| Job Number | Order Date | Client |
|------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Project Name: Hewitt Storm water

Site:

Hewitt/Calmat Self-Storage

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Wean Approved By: Ro

Cyrus Razmara, Ph.D. Laboratory Director



American Environmental Testing Laboratory Inc.
2834 North Naomi Street, Burbank, California 91504, Phona (888) 288-AETL, (818) 845-8200
Fax (618) 845-8840

| AETL JOB# | 5230 | PAGE | 10 | <u> </u> |
|-----------|------|------|----------|----------|
| AETL JOB# | 2900 | PAGE | <u> </u> | F |

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|--------------------------------|--|--|-----------------|---------------------|----------|------|---------------|------------|--------|--------------|-----|-----|--|-----|-------|-----------|---------|---------------------------------------|------------|---------------|---------|------|-------------|
| CLIENT: VU | 1 Can Morte | rials Co | Cal | Mat Div | | F | ΔX· | | | 258-2 | | 1 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 9 | 7 | $\sqrt{}$ | 7 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | 17 18 | 1 | 1 | 7 | 7 |
| ADDRESS: SITE: CONTACT WERSON: | 3200 Sa | n Fern | an de | Rd. | los | A | igel | ون | Ca | . Ocob | 5/ | Hd. | 100 | 7 | lies. | | ्र इ | | † / | $^{\prime}$ / | | / | |
| SITE: | ewith/C | almat: | Self- | Storage | | (| <u> </u> | | | | -/2 | 3/6 | なってい | 溢 | | 3 | | 7 | | / , | // | ' / | |
| CONTACT W | r. George | Cash | PROJEC NAME: | Hewith S | tom | Wate | LOPA NUMB | ECT ER: | I | | /P | | V | | 704 | | | / { | 4 | // | 4 | 1 | MARKS |
| SAMPLE ID | LAB ID | DATE | TIME | CONTAINER SIZE/TYPE | | | SOUD WASTE | מטפע | | PRES. | | | | | | | | | | | | , ni | IMARAS |
| ØFO01 | AE72340 | 4-17-00 | 1515 | IL/PL | | V | | | · | ice | V | | | | | | | | | | | | |
| | } | | | 1L/PL | | V | | | | | | V | | | | | | | | | | | |
| | | | <u> </u> | IL/GLA | n | V | | | | | - | | V | | | | | | | | | | |
| | | (| <u> </u> | IL/GLA | ٨ | V | | | | | | | | V | 1. | - | | | | | | _ | - |
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| Collected By: | \sim | My | Da | ate 4-17-0 | | | 515 | | livere | X` | tu | 4 | 1 | W | 1 | <u></u> | Dat | te 4 | -17 | 00 | | ime | 1605 |
| Relinquished I | XILL | 1- Mu | | ate 4.17- | | | 605 | Fo | r Labo | d pratory | re | · (|) | 10 | 2an | <u> </u> | Da | | <u>-17</u> | -0 | ATTEN N | ime | 604 |
| Turn Ai 3 | Time V | - N | Man : | ormal | ☐ F | lush | E B | | 4 | Invoic | e : | VΨ | 100 | ln_ | Ma | Ter | cial | 5 (| (b). | - (8 | الم | at l | <u>);v,</u> |



2834 North Naomi Street Burbank, CA 91504 - DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065-5

Attn:

Telephone: (323) 258-2777 George Cosby

Page

2

Site

Hewitt/Calmat Self-Storage

| | | | | AET | TL Job Num | ber S | ubmitted | Client |
|---|------------|----------|------|------|------------|------------|---------------|-------------|
| Project Name: Hewitt S | torm water | : | | | 15230 | 04 | /17/2000 | VULCAN |
| Our Lab I.D. | | | | | | | AE72340 | |
| Client Sample I.D. | | | | | | Method Bla | nk OF-001 | |
| Date Sampled | | | | | | 04/17/20 | 00 04/17/2000 | |
| Matrix | | | | | | Aqueous | Aqueous | |
| Analytes | Method | Units | MDL | PQL | Analyzed | Result | | |
| Specific conductance | 120.1 | umhos/cm | 5.0 | 10.0 | 04/17/2000 | | 103 | |
| pH | 150.1 | pH unit | 0.01 | 0.61 | 04/17/2000 | N/A | 7.71 | |
| Total Suspended Solids (TSS) | 160.2 | mg/L | 5.0 | 10.0 | 04/19/2000 | MD | 258 | |
| Calcium | 200.7 | mg/L | 0.25 | 0.50 | 04/19/2000 | ND | 13.6 | |
| ad | 200.7 | mg/L | 0.05 | 0.10 | 04/19/2000 | ND | 0.15 | |
| <u>£kel</u> | 200.7 | mg/L | 0.01 | 0.05 | 04/19/2000 | Си | 0.021 | |
| Sodium | 200.7 | mg/L | 0.25 | 0.50 | 04/19/2000 | MD | 4.1 | |
| Zinc | 200.7 | mg/L | 0.01 | 0.05 | 04/19/2000 | ND | 0.23 | |
| Chloride | 325.3 | mg/L, | 0.5 | 1.0 | 04/18/2000 | ЙЙ | 5 | |
| Biochemical Oxygen Demand (BOD) | 405.1 | mg/L | 5.0 | 5.0 | 04/24/2000 | ND | 12 | |
| Chemical Oxygen Demand | 410.4 | mg/L | 5.0 | 10.0 | 04/21/2000 | ND | 77 | |
| Oil and Grease | 413.1 | mg/L | 0.5 | 1.0 | 04/18/2000 | ND | 6.1 | |
| Benzene | 602/M8015G | ug/L | 0.25 | 0.50 | 04/27/2000 | ND | ND | A |
| Ethylbenzene | 602/M8015G | ug/L | 0.25 | 0.50 | 04/27/2000 | ND | ND | |
| Toluene (Methyl benzene) | 602/M8015G | ug/L | 0.25 | 0.50 | 04/27/2000 | ND | MD | |
| Xylenes (Total) | 602/M8015G | ug/L | 0.50 | 1.00 | 04/27/2000 | NTD | ďи | |
| Methyl-tert-butyl ether (MTBE) | 602/M8015G | ug/L | 0.50 | 1.00 | 04/27/2000 | ND | ND | |
| TPH as Gasoline and Light HC. (C4-C12) | 602/M8015G | ug/L | 5.0 | 10.0 | 04/27/2000 | DM | סמ | |
| TPH as Diesel (C12-C23) | M8015D | mg/L, | 0.1 | 0.5 | 04/18/2000 | ND | MD | |
| TPH as Heavy Hydrocarbons (C23-C40) | M8015D | mg/L | 0.1 | 0.5 | 04/18/2000 | ND | 0.7 | |
| TPH Total as Diesel and Heavy HC.C12-C40 | M8015D | mg/L | 0.1 | 0.5 | 04/18/2000 | ND | 0.7 | |



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| Ordered By | |
|--------------------------------|---|
| Vulcan Materials CoCalmat Div. | - |
| 3200 San Fernando Road | |
| Los Angeles, CA 90065-5 | |

| Site | |
|----------------------------|---|
| Hewitt/Calmat Self-Storage | 200 A 100 A |
| | |
| | |

Telephone: (323)258-2777 Attn: George Cosby

Project Name:

Page:

3

Hewitt Storm water

AETL Job Number Submitted Client
15230 04/17/2000 VULCAN

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 04172000/04172000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Specific conductance | 534 | 534 | <1 | <15 | 141.3 | 141.3 | 100 | 80-120 | |



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ANALYTICAL RESULTS

| Ordered By | Site | | | | |
|--------------------------------|----------------------------|--|--|--|--|
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| 3200 San Fernando Road | | | | | |
| Los Angeles, CA 90065-5 | | | | | |
| | | | | | |

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Page:

4

Project Name:

Hewitt Storm water

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04172000/04172000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Llmit | |
| pH | 7.34 | 7.34 | <1 | <15 | 7.0 | 7.0 | 100 | 80-120 | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065-5 Site
Hewitt/Calmat Sel

Hewitt/Calmat Self-Storage

Telephone: (323)258-2777 Attn: George Cosby

Page:

5

Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

| #4 ppppp rimman : 0472700 | 0,0 | | | | | | | | , | , |
|------------------------------|--------|--------|-----|---------|--------|-------|-------|----------|---|--------------|
| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | |
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
| Total Suspended Solids (TSS) | 139 | 136 | 2,2 | <15 | 100.0 | 94.0 | 94 | 80-120 | | |



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ANALYTICAL RESULTS

| Ordered By | | | |
|--------------------------|--------|---|---|
| Vulcan Materials CoCalma | t Div. | | |
| 3200 San Fernando Road | .* | • | • |
| Los Angeles, CA 90065-5 | | | |
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| ı | TOTAL |
| | Hewitt/Calmat Self-Storage |
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Page:

6

Project Name:

Hewitt Storm water

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|--------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Calcium | 1.0 | 0.9 | 93 | 1.0 | 0.9 | 93 | <1 | 80-120 | <15 | |
| Lend | 1.0 | 1.0 | 99 | 1.0 | 1.0 | 100 | 1.0 | 80-120 | <15 | |
| Nickel | 1.0 | 1.0 | 100 | 1.0 | 1.0 | 100 | <1 | 80-120 | <15 | |
| Sodium Z: | 1.0 | 0.8 | 81 | 1.0 | 0.9 | 86 | 6.0 | 80-120 | <15 | ······································ |
| 7inc | 1.0 | 1.0 | 99 | 1.0 | 1.0 | 98 | 1.0 | 80-120 | <15 | |

QC Batch Number: 04192000/04192000

| | LCS | LCS | LCS | LCS/LCSD | | | | T | T************************************* |
|----------|--------|-------|-------|----------|---|-------------|--------------|--------------|--|
| Analytes | Concen | Recov | % REC | % Limit | | | | ļ | |
| Calcium | 1.0 | 1.0 | 103 | 80-120 | _ | | | | |
| Lead | 1.0 | 1.0 | 98 | 80-120 | | | | | |
| Nickel | 1.0 | 1.0 | 102 | 80-120 | | | | | |
| Sodium | 1.0 | 1.0 | 104 | 80-120 | | | | | |
| Zinc | 1.0 | 1.0 | 102 | 80-120 | | | | | |



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Ordered By

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Page:

7

Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

| í | | 1 | | | · | | | | | | |
|---|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| - | | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
| L | Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| 1 | Chloride | 20.0 | 20.0 | 100 | 20.0 | 20.0 | 100 | <1 | 80-120 | <15 | |
| | | | | | | | | | 1 | | |

QC Batch Number: 04182000/04182000

| | SM | \$M DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | |
|----------|--------|---------|-----|---------|--------|-------|-------|----------|----|-------------|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
| Chloride | 276 | 276 | <1 | <15 | 20.0 | 20.0 | 100 | 80-120 | i. | |



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| Ordered By | |
|--------------------------------|---|
| Vulcan Materials CoCalmat Div. | _ |
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| Los Angeles, CA 90065-5 | |

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|-----|--------------------------|--|------|
| He | witt/Calmat Self-Storage | | |
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Page:

8

Project Name:

Hewitt Storm water

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | T |
|---------------------------------|--------|--------|-----|---------|--------|-------|-------|----------|--------------|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Biochemical Oxygen Demand (BOD) | 12 | 12 | <1 | <15 | 200.0 | 190.0 | 95 | 80-120 | |
| | | | | | | | | | |



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ANALYTICAL RESULTS

Site

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Page:

9

Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

LAPS COLUMN TO THE STREET

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 04212000/04212000

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chemical Oxygen Demand | 100.0 | 96.0 | 96 | 100.0 | 94.0 | 94 | 2.1 | 80-120 | <15 | |

QC Batch Number: 04212000/04212000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|------------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Llmit | |
| Chemical Oxygen Demand | 48 | 48 | <1 | <15 | 100.0 | 93.0 | 93 | 80-120 | |



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Page:

10

Project Name:

Hewitt Storm water

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Method: 413.1, Oil and Grease, Total Recoverable, Gravimetric, Sep. Funnel QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

| | LCS | LCS | LCS | LCS/LCSD | D |
|----------------|--------|---------------------------------------|-------|-------------|---|
| Analytes | Concen | Recov | % REC | % Limit | |
| Oil and Grease | 10.0 | 10.6 | 106 | 80-120 | |
| | | · · · · · · · · · · · · · · · · · · · | | | |



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| | |

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Page:

11

Project Name: Hewitt Storm water

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

CONTRACTOR STATES OF THE PROPERTY OF THE STATES OF THE STA

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

| Our Lab I.D. | | A£72340 | 14 | | 7.7 |
|--------------------|-----------|---------|----|---|-----|
| Surrogates | Con.Limit | % Rec. | | · | |
| Bromofluorobenzene | 75-125 | 97 | | | |
| Trifluorotoluene | 75-125 | 101 | | | |

QUALITY CONTROL REPORT

QC Batch Number: 04272000/04272000

| \. | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|--------------------------|--------|-------|-------|--------|--------|--------|------|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Benzene | 50.0 | 50.0 | 100 | 50.0 | 53.0 | 106 | 5.8 | 75-125 | <20 | |
| Ethylbenzene | 50.0 | 57.0 | 114 | 50.0 | 54.0 | 108 | 5.4 | 75-125 | <20 | |
| Toluene (Methyl benzene) | 50.0 | 47.0 | 94 | 50.0 | 47.0 | 94 | <1 | 75-125 | <20 | |
| LCS | | | | | | | | | | |
| o-Xylene | 50.0 | 49.0 | 98 | 50.0 | 47.0 | 94 | 4.2 | 75-125 | <20 | |
| m,p-Xylenes | 100.0 | 93.0 | 93 | 100.0 | 80.0 | 80 | 15.0 | 75-125 | <20 | |

QC Batch Number: 04272000/04272000

| | | | | 7 | | | 1 |
|--------------------------|--------|-------|-------|----------|-----|---|---|
| • | LCS | LCS | LCS | LCS/LCSD | · · | ĺ | |
| Analytes | Concen | Recov | % REC | % Limit | - | | |
| Benzene | 50.0 | 47.0 | 94 | 75-125 | | | |
| Ethylbenzene | 50.0 | 53.0 | 106 | 75-125 | | | |
| Tolucne (Methyl benzene) | 50.0 | 46.0 | 92 | 75-125 | | | |
| LCS | | | | | | | |
| o-Xylene | 50.0 | 48.0 | 96 | 75-125 | | | |
| m,p-Xylenes | 100.0 | 85.0 | 85 | 75-125 | | | |



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ANALYTICAL RESULTS

| Ordered By | • | | 2 | Site | | |
|---|-------------------------|---------------------|-----------------|-------------------------|----------------------|-------|
| Vulcan Material 3200 San Fernal Los Angeles, Ca | | | | Hewitt/Calmat Self-Stor | age | |
| Telephone: (32 Attn: Geo | 3)258-2777 rge Cosby | | | | | |
| Page: | 12 | | | | | |
| Project Name: | Hewitt St | orm water | | AETL Job Number | Submitted 04/17/2000 | Clien |
| | M | lethod: M8015D, TPH | as Diesel and H | C | | VULCA |
| Our Lab I.D. | | | AE72340 | | , | |
| Surrogates | | Con.Limit | % Rec. | | | |
| | | | | | 1 | |

QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|-------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|---|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| TPH as Diesel (C12-C23) | 25.0 | 24.3 | 96 | 25.0 | 23.5 | 92 | 4.3 | | 75-125 | 7 |

QC Batch Number: 04182000/04182000

| | LCS | LCS | LCS | LCS/LCSD | | | | T | T | |
|-------------------------|--------|-------|-------|----------|---|---|--|----------|---|---|
| Analytes | Concen | Recov | % REC | % Limit | | | | | | |
| TPH as Diesel (C12-C23) | 25.0 | 23.8 | 96 | 75-125 | | - | | | | |
| | | | | | L | | I | <u> </u> | | I |



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Vulcan Materials Cor Calmat Div.
3200 San Fernando Road
Los Angeles CA 90065

Telephone: (323)258-2777 Attention: George Cosby

| Number of Pages 13 |
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| Job Number | order Date: | Client |
|------------|-------------|--------|
| 14543 | 02/14/2000 | VULCAN |

Project Name: Hewitt Stormwater Sampling

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

pl Sellay Approved By: Roy

Cyrus Razmara, Ph.D. Laboratory Director



American Environmental Testing Laborate / ...c.

2834 North Naomi Street, Burbank, California 91504, Phone (888) 288-AETL, (818) 845-8200 Fax (818) 845-8840

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|-----------|-------|------|---|------|--|
| AETL JOB# | 14575 | PAGE | 1 | OF (| |

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| ADDRESS: SITE: CONTACT PERSON: SAMPLE ID | · George | asloy | PROJEC NAME: (| Noter Som | 20°C 20°C | M PRO | | | | /[2 | <u>ئ</u> | | 77 | <u>/U</u> | 709 | | | <i>f</i> , | / / | 1 | / . | |
| SAMPLE ID | LAB ID | DATE | TIME | CONTAINER | | SAMPLE | T | 1 | | | | | | | | | | | | | REMAR | KS |
| | | | | SIZETTYPE | son | WATER WASTE | LIQUID WASTE | отнея | PRES. | | | | | | İ | | | | | | | |
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| | | | | 1925 It | | V | | | | | | | | <i>i</i> / | | | | | | | | |
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| Relinquished B | v. X Cem | 3 Man | Da | te 2-14-0 | ව Ti | me oqu |) Re | ceived Labo | ratory | B. | 定 | | | | _ D | ate . | 2/14 | 1/0 | | | e 090 | |
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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. Calmat Div 3200 San Fernando Road Los Angeles CA 90065

Telephone: (323)258-2777 George Cosby Attn:

Page

2

| Project ! | Name: | Hewitt | Stormwater | Sampling |
|-----------|-------|--------|------------|----------|
|-----------|-------|--------|------------|----------|

| AETL: Job Number | Submitted | Client |
|------------------|------------|--------|
| 14543 | 02/14/2000 | VULCAN |

| broject Name: Hewith Pro | TIIIMarcar | Samparana | | <u> </u> | | | | |
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| Client Sample I.D. | a. To get on what well in a line to | maler are | | Annual Property of the Party of | | Method Blank | | |
| Date Sampled | | | | | | 02/12/2000 | 02/12/2000 | |
| Matrix | | | | | | Aqueous | Aqueous | |
| A series of the | Method | Units | MDL | POL | Analyzed | | Results | in a representation of the second of the sec |
| Seneral Chemistry | All the company that the barrier and the company that the | ng High and your training from | alog per la Cala interferde espera per ent expense ha ca estrata l'indiction de la les | The plant will be the common fund of an ager quant grant them in the of our takened, the profession in the profession | करायक है कर कहा, है के कर है है, की कर की की की कर कर है। किए के की के की कर कर है। | Table to give the first section of the section of t | the control of the second seco | 14 1 14 1 14 1 17 1 1 1 1 1 1 1 1 1 1 1 |
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| otal Suspended Solids (TSS) | 160.2 | rng/L | 1 3-0 | 20.0 | 02/ 10/2000 | ממ | 25 | |
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| `bloride | 325,3 | mg/L | 0.5 | 1.0 | 02/21/2000 | ND | 2.0 | 100 |
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| Biochemical Oxygen Demand (BOD) | 405.1 | mg/L | 5.0 | 5.0 | 02/19/2000 | ND | ND | |



an Environmental Testing La ratory Inc. Ame

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ANALYTICAL RESULTS

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Attn:

George Cosby

Page

2

| Project Name: Hewitt St | | | | 1 | L Job Num 14543 | 1 02/ | 74/2000 | VULCA |
|--|---|---|--|--|--|--|--|--|
| Our Lab I Distribution of the supplementary of the Client Sample I D | of all alone the Long the old spinion of Portforgal forth of the health brogs of old or the old to the health brogs and | engerig te per a de le constant el general de la constant de penas de ul general de la constant | անակություրության անջին է «Արարություրության թանչին է «Արարություրության արգում | ता च्याप संदर्भित संस्था कर्मा कर्मा कर्मा चीत्रक तुन्देशित क्षेत्रीय क्षेत्रीय क्षित्रीय क्षित्रीय क्षित्रीय क्षित्रीय क्षित्रीय क्षित्रीय क्षित्रीय क्षि | त्र चेन्द्र अस्त्र प्रदेश होत्रहरू स्वास्त्र स्व त्र चेन्द्र अस्त्र प्रदेश होत्रहरू स्वास्त्र स्व | the first of the sea dispersion | nameto month | Trang Herako g |
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| | Method | TUILLES | The MDL street in the last of | POLICE | | Results | Results | CARD CONTROL C |
| Specific conductance | Here is the second of the con- | A file of the second of the se | | the state of the service of the serv | त्र प्रताप क्षित्र के एक इस्तावक वर्षेत्र जो क्षेत्र के जो के प्राप्त क्षेत्र क्षेत्र प्राप्त के के जो के प्राप्त के के क्षेत्र प्रताप के के के प्रताप के के कि | read the read of the line of a contract of the | हर , र पूर्व हरूकुर किस्तुकि स्वरूपनार र या स्वतंत्र को का क्षेत्रीकार क्षित्र, असूरका हत्य व स सार्विका नी सिन्दी नक्ष क्षित्र स्वरूप | an all and productions and a superior and a superio |
| | 120.1 | umhos/cm | 5.0 | 10.0 | 02/14/2000 | ND | 85 | |
| Seneral Chemistry | graphical and the property of the second of | i de primer de la comencia del comencia del comencia de la comencia de la comencia del comencia | ति मित्री = व्यक्तिकार्तिकारीय विभिन्न होत् व्यक्तिकारीय स्थानिकारीय विभिन्न स्थानिकारीय विभिन्न विभिन्न स्थानिकारीय स्थानिकारीय | CPA desidenting and a section of the collision of the col | particular and the second second | per the control of personal fields | ajainataksaasat , mesteensi majarsagatal-asate a jatr | ar is a payer or a significant and a significant |
| oral cosperided copies (199) | 160.2 | 1000 | E 10 | 9 0 0 | 02/15/2000 | ND | 25 | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
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| 31101100 | 325.3 | i mali i | 0.4 | 1 0 | 20 (04 (000 | | | |
| eperal Chemistry | organ depressed the graph of | विभिन्न देवाचे १०० होता व एक्स प्रमाण केल्पा च्या प्रवास | era producti programa od od 1940. Station of production of the same | The state of the s | Things is taken him | विभवना स्थापना स्थापना स्थापना । | 2.0 | |
| Biochemical Oxygen Demand (BOD) | 405.1 | mg/L | 5 - 0 | 5.0 | 02/19/2000 | ND | NO NO | re to to to to the control of the co |



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AFTT JOB Number Submitted Client 02/14/2000 VULCAN

| Project Name: Hewitt St | ormwater | Sampring | | | 74343 | | ±=/2000 | V 0200121 |
|--|--|---|--|--|--|--|--|--|
| Our Lab T.P. Francisco | in the production of the state | San Jahler P. C. C. Branche Trolle Brant B. 1995 C. C. B. Branch Pe. Branche St. C. C. B. Branch Pe. | par berlijke Trabardens or na dele Prijer kral kappen okriskeld opdinger a har krijenjeje open probleme skipa se b | e pleas is a tituarda to Hymia ira li angrepasan Ring papaja a 14 al ka angrepasan papana ay na papana angrepasan papana ay na papana ay a angrepasan ay na papana | entropies has whomas a bade or a ching action and most. I'm ma- ches a my top beness, they can write this arm is a condition | datal action the fire principle to the parameter and companies to the firm manner and give to a record to the manner of the com- | AE69585 | a ha a-Phile part of the control of |
| Client Sample I.D. | | | | | | Method Blank | OF-001 | |
| Date Sampled | , | | | | | 02/12/2000 | 02/12/2000 | |
| Matrix | · | | | | | Aqueous | Афисоп3 | |
| Analytesis | Method | Unite | MPL. | T.POL TOTAL | Analyzed: | Results | Results | er i Seige Kers San Sinder (1986) All Langue S |
| General Chemistry | The strangers of the property of the strangers of the str | de la place de la marca de la colonia del colonia del colonia del colonia de la colonia del | men is the market high company of the market market in the market market in the market | to gave a served of served to | Photosepped a require | ng no spoke with the past longs, proplem to the country of the spoke to the country of | 77.4 | gar de Constant Garage Maria Garage Garage |
| pH | 150.1 | pH unit | 0.01 | 0.01 | 02/14/2000 | N/A | 7.08 | 200 |
| Calcium | 200.7 | mg/L | 0.25 | 0.50 | 02/16/2000 | ND | 5.3 | 4. =2 |
| Lead | 200.7 | mg/L | 0.05 | 0.10 | 02/15/2000 | MD | ND | |
| Nickel | 200.7 | mg/L | 0.03 | 0.05 | 02/15/2000 | ND | MD | |
| Sodium | 200.7 | mg/L | 0.25 | 0.50 | 02/16/2000 | ND . | 2.1 | |
| Zinc | 200.7 | mg/L | 0.01 | 0.05 | 02/16/2000 | ND | ND | |
| Out of the last of | 410.4 | mg/L | 10 | 10 | 02/14/2000 | ND | 20 | |
| General Chemistry | ar sincing it ment as if these containing the state of th | tainer, or or linear trans- | the second secon | per unit i de la companio del companio del companio de la companio del companio d | grapher and a state of the stat | armin or property of the second of the secon | All significant them to be expensed in participations of the control of the object of the control of the control of the control of the control of the control of the control of the control of the control Historia de la Companya de la Compan |
| Oil and Grease | 413.1 | rng/L | 0.5 | 1.0 | 02/17/2000 | ND | ND | |



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Page:

4

Project Name:

Hewitt Stormwater Sampling

ABTL Job Number Submitted Client
14543 02/14/2000 VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 02222000/02222000

| Our Lab TD - Francisco | Silbing de Gebergeragen Bezeichen als Grant Briegerangsbergeragen Grant Briegeragel (1988) aus Seiten Schausser | the distriction of the districti | in the abatement for the first of the first | - AE69585 | is all deals and apply party in party and all the free properties of the free party and in the free party and | all have there are a ship stated price. The House is not a ship stated price. | Type of more state of the control of |
|--|--|--|---|------------|---|--|--|
| Client Sample I.D. | | | Method Blank | OF-001 | | | 1 |
| Date Sampled | | | 02/12/2000 | 02/12/2000 | | | |
| Date Prepared | | | 02/22/2000 | 02/22/2000 | | | |
| Preparation Method | | | 5030B | 5030B | | | |
| Date Analyzed | ····· | | 02/22/2000 | 02/22/2000 | | | |
| Matrix | | | Aqueous | Aqueous | | | |
| Units | | | ug/L | ue/L | | | |
| Dilution Factor | | | 1 | 1 | | | |
| The state of the s | Sent della MDL of the Action o | PQL | Results | Results | मुक्तार प्रोत्सी का प्रवास कुका अर्थें, कुका है टिक व्यवस्थित कुका कि पूजा पूर्व के पुत्र के कुका कि कि विकास कुका कि कि प्रारं कि कि कि के बिक्त के प्रोतिक कि का कि कि कि प्रवास के | Politica Proportici pi describ De le coloci politica mesen (paper) Proportica de la proportica de la | deliberation of See 8 July 3 |
| senzene | 0.25 | 0.50 | ND | ND | Terrorica (Ir Ir not mar ligar curne | ani sakatani 1922 yili akuta sasi | 732-717-7 |
| Ethylbenzene | 0.25 | 0.50 | ОТИ | ND | | | |
| foluene (Methyl benzene) | 0.25 | 0.50 | . מא | ND | | | |
| (Yolenes (Total) | 0.50 | 1.00 | ЙĎ | ND | | | |
| TPH as Gasoline and Light HC. (C4-C12) | 5.0 | 20.0 | ND | ND | | | |

| Our Lab (D) | May fell lists. Deep on a plant of the property of the propert | The straight of the straight o | 15) Principles of emiliar of a final principles of a final principles of the f | AE69585 | The qualitation are managed by the experience of the first and the control of the property of | of the property of the propert | But a second of the second of |
|-------------------------------|--|--|--|---------|---|--|---|
| Surrogates Bromofluorobenzene | 75-125 | httm://www.andianahtman. gradianahtman. gradianahtman. | % Rec. | % Rec. | est, in a signated, additional solving the fill transfer against the coefficients and need as to seep a page and | The following state of the stat | bile tage ; |
| Trifluorotoluene | 75-125 | | 209 | 103 | | | |



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Page:

5

Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client
14543 02/14/2000 VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 02212000/02212000

| Our Lab I.D. | And the state of t | Print and the state of the stat | िक्रमुक्ति । स्वरूप (८०० स. सम्बंध है प्र. त जिल्हा पर्वे के के के स्वरूप से के के स्वरूप से के प्रतिकृति है स्वरूप से के स्वरूप से के से स्वरूप से के से से से से के | AE69585 | Fig. 1 with a grow base would be a grow by the property of the grow by the property of the grow by the | is for the project project particles in the first the state of the first particles in the first the first project project particles. | Language frankrigation and the state of the |
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| Client Sample I.D. | Dura uri jes saazi | | Method Blank | OF-001 | | | |
| Date Sampled | | | 02/12/2000 | 02/12/2000 | | | |
| Date Prepared | | | 02/21/2000 | 02/21/2000 | | | |
| Preparation Method | | | 3510C | 3510C | | | |
| Date Analyzed | | | 02/22/2000 | 02/22/2000 | | | |
| Matrix | | | Aqueous | Aqueous | | | |
| Units | | | mg/L | mg/L | | | |
| Dilution Factor | | - 11 | 1 | 1 | | | - 693 |
| Ansily be some of the control of the | DE MOL | POL | Results | Results | In the period production of the state of the | (c) September 1980 of the contraction of the phone of the property of the phone | himphonica (Inglé Language bennyaga High granica (Inglé Language) (Inglé |
| TPH as Diescl (C12-C23) | 0.1 | 0.5 | ND | ND | | | |
| TPH as Heavy Hydrocarbons (C23+) | 0.1 | 0 - 5 | MD | ND | | | |
| TPH Total as Diesel and Heavy HC.C12-C40 | 0.1 | 0.5 | ND | ND | | | |

| Our Lab I.D | ne a militari mana a mana desir bera per an abanda kitara mana desir bera an menganda da mana desir bera an menganda da mana desir bera | This two peression interpreta- tion from hit papers in money and a comprehensial factor and a common properties of a common | op, objetjeljelje op debet i n Geleforelje i tot dobej o se Korlobane i tranjak angostje mel beken merenaka op me | AE69585 | e in a second control of the second s | The Mill of the depletacing in a community of the community manufacture and property of the community of the | appointment of the company of the co |
|---------------|--|--|--|---------|--|--|--|
| Surrogates | Con, Limit | English by Sale on the monthly control of the contr | -%.Rect | % Rec.⊤ | Compared to the man of the second of the sec | the day of cold little property in the base of | all subsequents and the control of t |
| Chlorobenzene | 75-125 | | 104 | 96 | | | |



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Page:

6

Project Name:

Hewitt Stormwater Sampling

ARTI Job Number Submitted Slient
14543 02/14/2000 VULCAN

Method: 120.1, Conductance, Specific Conductance (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02142000/02142000

| The second second is the district of a second background second in the proof of a contract of the second se | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | |
|--|---|--|--|--|---|--|--|---|---|---|
| Analytes 122 for the second second | L | Result | % | % Limit | Concen | Recov | % REC | % Limit | | r. |
| General Chemistry in the light of the property | भारता । पहिता कहा। बेटाले है प्रदेश के महावित शिक्ताले है एक वा प्रदेश के लेका है जो स् | Les and the contraction of the c | to desire to the lower south the set is to how it and with a factor within | To PMs. if Nova Deposition for the artificial page 98 feet for the last of the third before more uses of more of this see | वर्ग हिन्दार हैं क्रिक्ट्रियों के हिन्दा हरून भी क्रिक्ट्रियों के हिन्दा कर है क्रिक्ट्रियों क्रिक्ट्रियों के हिन्दा कर है क्रिक्ट्रियों के बोर्चा के क्रिक्ट्रियों के | And all play of the property o | P. J. A. Service S. Miller. 1917 District Description of H. Miller. Note to the Service Hermanic | ्रमान्य संस्थित क्रिक्ट स्थापन होता. विशेषक संस्थित क्रिक्ट स्थापन क्षित्र स्थापन क्रिक्ट स्थापन स्थापन | e "Gastyre o na toj grg atogo stronom, Phages o toj nerroj stronom so | प्रताकात्म्यः भूतिकारतीयः र्वत्रास्त्रास्यः |
| Specific conductance | 254 | 254 | <1 | <15 | 1413.0 | 1398.9 | 99 | 80-120 | 22 VII 11 dt 944 (24 196) | en acatalas |



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7

Project Name:

Hewitt Stormwater Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 14543 | 02/14/2000 | VULCAN |

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02142000 / 02142000

| The farm that there is the group of the ten and tental farm of the first think in the first that the first the first think is the first think in the first think is the first think in the first think is the first think in the first think is the first think in t | 5M | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | |
|--|--|--------------------|--|--|--|---|--|--|---|---------|
| Analytes in decomposition of the description of the constitution o | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
| General Chemistry | all the installed in the second of the secon | minimoni proprieta | aum Angenden, eine per og am Leiterbakeren beite men eine Diesem Marie Dame. | al or field, of approved of the little for a constitution of the constitution of the | that the languages a straight to the state of the state o | reals pay a seleptor to property reliand property reliand | the Hold of the Company of the Compa | The distribution of the control of t | Carpet Active Prints Temport, 15th Set & A 05th Celler 1911 | Tag day |
| pH | 7.35 | 7.36 | - <1 | <15 | 7.0 | | 101 | 80-120 | | |



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8

Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client 14543 02/14/2000 VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

<u>QUALITY CONTROL REPORT</u>

QC Batch Number: 02152000/02152000

| * | ~ , ~~~~~~~ | ~ ~ | | | | | | | | |
|--|--|---|--|---|--|---|--|--|---|--|
| mile for a children was to me a manage to the territor of the first of the control of the contro | , l | · · · · · · · · · · · · · · · · · · · | | | · , | | | | | |
| THE CONTROL OF THE CO | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | , | |
| The probability of the property of the probability of the specific of the probability of | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
| General Chemistry | of determined and of the highest the design to the highest the south | Chele d'Apple (contenta), with street County to a co 15st den terrat process aggrés (content process | Hillion 15 y and play some Helson or begin the good history and the special as | i Heli in salki ting malina ga una singen salita in sigi kisten septembat is as sigi se gang ini kina milina salita is | The state of the s | TOP THE HEAD WARRENT or beginned a sept of a Traden exchange a pairs to be sept or a consideration | International Control of the Control | a Militar physician physic 1985, parte by suppression 1994 - Narat Gaptar physic | Janki e ne e setajnjes oprijajnese je ekstrijajne dajnese se e je oprovoj | Liftships and address of the lift of the l |
| Total Suspended Solids (TSS) | 94 | 92 | 2.2 | <15 | 100.0 | 98.0 | 98 | 80-120 | In Proceedings | <u> 1900-1966</u> |
| | | | | | | | | | <i>i</i> 1 | 1 |



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co., Calmat Div.
3200 San Fernando Road
Los Angelts, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

9

Project Name:

Hewitt Stormwater Sampling

| λE | TL Tob Number | Submitted | Client |
|----|---------------|------------|--------|
| | 14543 | 02/14/2000 | VULCAN |

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 02152000/02152000

| MS | M\$ | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|--------|--------------------------|--|---|---|---|---|---|---|--|
| Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| 1.0 | 1.0 | 104 | 1.0 | 1.0 | 102 | 1.9 | 80-120 | <15 | |
| 1.0 | 1.0 | 100 | 1.0 | 1.0 | 100 | <1 | 80-120 | <15 | |
| 2.0 | 1.0 | 99 | 1.0 | 1.0 | 100 | 1.0 | 80-120 | <1S | |
| 1.0 | 1.0 | 100 | 1.0 | 1.0 | 100 | <1 | 80-120 | <15 | |
| 1.0 | 1.0 | 99 | 3.0 | 1.0 | 102 | 3.0 | 80-120 | <15 | |
| | 1.0 1.0 1.0 1.0 | Concen Recov 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | Concen Recov % REC 1.0 1.0 104 1.0 1.0 100 1.0 1.0 99 1.0 1.0 100 | Concen Recov % REC Concen 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | Concen Recov % REC Concen Recov 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | Concen Recov % REC Concen Recov % REC 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | Concen Recov % REC Concen Recov % REC % 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | Concen Recov % REC Concen Recov % REC % REC % Limit 1.0 1.0 1.0 1.0 1.0 1.0 1.9 80-120 1.0 1.0 1.0 1.0 100 <1 | Concen Recov % REC Concen Recov % REC % REC % Limit % Limit 1.0 1.0 1.0 1.0 1.0 1.9 80-120 <15 |

QC Batch Number: 02152000 / 02152000

| • | | | | | | | | |
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| when the real advanced from page in problems is not some part and a part we have a plant on the respect types as pulled, to explain as a second open, then a set the part and consider a second of the page of the page is the part of the page of the page. | LCS | LCS | LCS | LCS/LCSD | | | | |
| Analytes | Concen | Recov | % REC | % Limit | | | | |
| Calcium | 1.0 | 1.0 | 104 | 80-120 | | | | |
| Lead | 1.0 | 1.0 | 10∉ | 80-120 | | | | |
| Nickel | 1.0 | 1.1 | 105 | 80-120 | | | - | |
| Sodium | 1.0 | 1.0 | 104 | 80-120 | | | | |
| Zinc | 1.0 | 1.1 | 106 | 80-120 | | L | | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co. Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

10

Project Name:

Hewitt Stormwater Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 14543 | 02/14/2000 | VULCAN |

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02212000/02212000

| color of total lead to the place of the process of the process of the place of the process of the place of th | | | 1 | | | | | | | |
|--|--|--|---|---|--|--|--------------------------|--|--|--------------|
| The first transfer of the property of the prop | M2 | MS | MS | MS DUP | MS DUP | M\$ DUP | RPD | MS/MSD | MS RPD | |
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| General Chemistry | ित्ता के कि स्टब्स्ट के स्टब्स्ट के स्टब्स्ट के स्टब्स्ट के स्टब्स्ट के स्टब्स्ट के स्टब्स्ट के स्टब्स्ट के स् अनुस्ति के स्टब्स्ट के स्टब्स्ट के स्टब्स्ट के स्टब्स्ट के स्टब्स्ट के स्टब्स के स्टब्स के स्टब्स के स्टब्स के अनुस्ति के स्टब्स के स्टब्स के स्टब्स के स्टब्स के स्टब्स के स्टब्स के स्टब्स के स्टब्स के स्टब्स के स्टब्स के | ritalena, pranificada (n. 1866). Pribataja ingerita di ingerita Pribataja ingeritalen kinig seli | the delication of the first of | Constitution of the second page of the formal of the second page of the formal of the second of the | College of Property of the College o | Application of the property of | A Dan Passe a dentifica. | era leftere de la company de l | AND STREET, AND ST | |
| Chloride | 20.0 | 20.0 | 100 | 20.0 | 20.0 | 100 | <1 | 80-120 | <15 | (A) 80 30, . |
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QC Batch Number: 02212000/02212000

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| the district of the first of the property of the first of | 0.01 | SM DUP | RPD | SMRPD | LCS | LCS | LCS | LCS/LCSD | | | ٦ |
| Analytes 122 Table 1 the Machinester to the | Dogeth | Result | % | 6/ 1:: | A | l _ : | | | | l | 1 |
| (a) The first place of the first term of the | | | | % Limit | Concen | Recov | % REC | % Limit | | | 1 |
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| | 2 | 2 | <1 | <15 | 20.0 | 20.0 | 100 | 0.0 3.0.0 | Stephen and the | 1 | 4 |
| | <u> </u> | | | | | 20.0 | 100 | 80-120 | | | 1 |



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ANALYTICAL RESULTS

Ordered By

Vulcan Matchals Co-Calmat Div 3200 San fernando Road Los Angeles, CA 90005

Telephone: (323)258-2777 Attn: George Cosby

Page:

11

Project Name:

Hewitt Stormwater Sampling

AETL Job Number | Submitted | Client | 14543 | 02/14/2000 | VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 02142000/02142000

| The first transfer of the first | 101.2 | MS | MS | MS DUP | MS DUP | MS DUP | RPD | M\$/MSD | M\$ RPD | |
|--|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| The many districts of the control of | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chemical Oxygen Demand | 50.0 | 49.0 | 98 | 50.0 | 48.5 | .97 | 1.0 | 80-120 | <15 | |

QC Batch Number: 02142000/02142000

| From manifestry approximately configuration in a fraction of a first subject to the profit of the pr | 1 5M | SM DUP | RPD | SM RPD | LÇS | LCS | LCS | LCS/LCSD | |
|--|------|--------|-----|---------|--------|-------|-------|----------|--|
| mandage and and an appear, he can be but and not appeared doubt on the district of the control o | 3 | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Chemical Oxygen Demand | 12 | 11 | 8.7 | <15 | 100.0 | 101.0 | 101 | 80-120 | |



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ANALYTICAL RESULTS

Ordered By

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| The Manager And Account to the second of the |
| LOS ATIQUES (CA 9000) |
| Los Angeles CA 90065 |

Telephone: (323)258-2777 Attn: George Cosby

Page:

12

Project Name:

Hewitt Stormwater Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 14543 | 02/14/2000 | VULCAN |

Method: 413.1, Oil and Grease, Total Recoverable, Gravimetric, Sep. Funnel

QUALITY CONTROL REPORT

QC Batch Number: 02172000/02172000

| The constant of regularity knows there is not purely to know the term of a partition of the constant of the co | : LCS | LCS | LCS | LCS/LCSD | | | T T |] | <u></u> | <u> </u> |
|--|---|--|--|--|--|--|---|--|---|-----------------------|
| Half and permanent process of the land of the control of the contr | Concen | Recov | % REC | % Limit | | | | | | |
| General Chemistry Oil and Grease | rente d'abinate a l'escripti dépenda da se la plotoneta politice a colonida de la perti | production of the market product of the second section of the second section of the second se | Andreas (1997) I de la composición del composición del composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición de la composición | an's filter present extrem to the management of the period to the matter track out | Not problem in the brookens. The species of the sections of the species of the sections. | recomprises processors Springer operations of the per- ter the form of colleges of | Cara trus inspiritual para Beta contra trus accept ens. Il foreston | Kiji o je meloja ileja ili na pak seje njenjenjej | այրագրություն անուր ընտում արտերագրույլ ար | Military per services |
| Oil and Grease | 10.0 | 9.5 | 95 | 80-120 | encoloristist transfer or consider | let de géneral e e des | | Last to a training | Article of Programment | Mes justs by s |
| | | | | | | <u> </u> | | <u> </u> | <u> </u> | L |



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ANALYTICAL RESULTS

Ordered By

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| Los-Angeles GA-90065 | |
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| The first war was a second of the contract of | 7 5 5 1 1 · · · · |

Telephone: (323)258-2777 Attn: George Cosby

Page:

13

Project Name:

Hewitt Stormwater Sampling

| AETL Job Number | Submitted | Client |
|--|------------|--------|
| 14543 | 02/14/2000 | VULCAN |
| The state of the s | | |

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QUALITY CONTROL REPORT

QC Batch Number: 02222000 / 02222000

| | MŞ | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|--|---|--|--|--|--|---|--|---|--|---|
| Analytes is a manufacture of the property of the control of the co | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Benzene | 50.0 | 56.0 | 112 | 50.0 | 56.0 | 112 | <1 | 75-125 | <20 | |
| Ethylbenzene | 50.0 | 55.0 | 110 | 50.0 | 55.0 | 110 | <1 | 75-125 | <20 | |
| Toluene (Methyl benzene) | 50.0 | 52.0 | 104 | 50.0 | 52.0 | 104 | <1 | 75-125 | <20 | |
| LCS of the control of | स्यास्त्रभाषाः । त्रिष्टेश्वयद्येष्टस्य स्याप्तिकारिकः । या स्थापितस्य स्वाप्तिकारिकः यास्य | or trees had become to a contract the contract to the contract | ு முர் முறியில் இருந்தின் இரு சித் முர்கள் விருந்தி விரு இரை விருந்தின் விருந்தி | h fiel fif from bei einer eigen in Siel er in felben af it fie fiel gran Pranteiner einen bei fige | မြောင်းများကြောင်းသည် ငော်မှ မြောင်းလည်း သို့ ကော်မှာမောင်သ အကြောင့် သိန်းသို့ မေဒါင်း | के हैं। उद्देशकों के भी के एक एक प्रतिस्थान है। कुम्पूर्ण एक्ट्रिया है। | Taller for the for some control have been supported to the control of the position | and the same and he same as a second | Afot effected performing dispectation shall be found to post to be the confinite | militaria militaria militaria Tipografia |
| o-Xylene | 50.0 | 54.0 | 108 | 50.0 | 54.0 | 108 | <1 | 75-125 | <20 | |
| m,p-Xylenes | 100.0 | 99.0 | 99 | 100.0 | 99.0 | 99 | ₹1 | 75-125 | <20 | |

QC Batch Number: 02222000/02222000

| • produced to the second control of the s | LC\$ | LCS | LCS | LCS/LCSD | | | | | |
|--|--------|-------|-------|---|---|--|---|---|--|
| define the School for the company of the control Appropriate the School for the Control of the C | Concen | Recov | % REC | % Limit | | | | | |
| Benzene | 50.0 | 55.0 | 110 | 75-125 | | | | | |
| Ethylbenzene | 50.0 | 54.0 | 108 | 75-125 | | | | | |
| Toluene (Methyl benzene) | 50.0 | 51.0 | 102 | 75-125 | | | | <u> </u> | |
| LCS 1 Comment of the comment of the | | | | a ministratura de la composición de colora de de la colorada de la colorada de la colorada de la colorada de la colorada de la colorada de la colorada de la colorada de la colorada de la colorada de la decenidada de la colorada del colorada de la colorada de la colorada del colorada de la colorada de la colorada de la colorada del colora | eriano no predogram producio e esperar periore e maso c | tay ng piganga basa big pilopit na madilana di m aming danpanang pigas | est an breeze son dit (i co est an breeze son dipa manag tapagan an | र हुत्यकी क्षेत्रकोत् । उत्तर्भ ज्ञार के प्रतीयका । ज्ञार स्तर्भ के क्षेत्रका र ज्ञार | Marie Communication of the Com |
| o-Xylene | 50.0 | 53.0 | 106 | 75-125 | | | | | |
| m,p-Xylenes | 100.0 | 97.0 | 97 | 75-125 | | | | | |



Amei n Environmental Testing Lal atory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

Ordered By

Vulcan Maionals Co.-Calmar Div. 3200 San Femando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

14

Project Name:

Hewitt Stormwater Sampling

ARTI Job Number Submitted Client
14543 02/14/2000 VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch Number: 02212000/02212000

| | 77 022120 | UU | | | | | | | | |
|--|-----------|-------|-------|--------|--------|--------|-----|----------|---------|--|
| the second of th | | MS | M\$ | MS DUP | MS DUP | MS DUP | RPD | MORACO | 110.000 | |
| Analytes are the property of t | Concen | Recov | % REC | Concen | Recov | % REC | - | M\$/M\$D | | |
| TPH as Diesel (C12-C23) | 25.0 | 25.0 | 200 | 25.0 | 24.0 | | % | % Limit | % Limit | |
| | | | | | 24.0 | 96 | 4.1 | 75-125 | 75-125 | |
| | | | | | | | | | | |

QC Batch Number: 02212000/02212000

| supply the second of the property of the property of the second of the property of the propert | LCS | LCS | LCS | LCS/LCSD | |
|--|------|-------|-------|----------|--|
| TDL | | Recov | % REC | % Limit | |
| TPH as Diesel (C12-C23) | 25,0 | 25.0 | 100 | 75-125 | |
| ı | | | | | |

1 2000 ANNUAL REPORT

FORM 3-QUARTERLY VISUAL OBSERVATIONS OF <u>UNAUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
- Make additional copies of this form as necessary.

| OUNDIED. UUV GEDT'OO | | | | the year |
|--|-------------------------------------|---|-----------|---|
| DATE/TIME OF OBSERVATIONS AM AM AM AM AM AM AM AM AM AM AM AM AM | Observers Name: C | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □YES ☑NO | If YES to either question, complete reverse side. |
| CHARTER COT PEO CO | Signature: | | | 3140. |
| QUARTER: OCT-DEC 99 DATE/TIME OF OBSERVATIONS | Observers Name: | WERE UNAUTHORIZED NSWDs OBSERVED? | □YES 🖶 NO | If YES to either question, complete |
| BI ACKER 9:40 PM | Signature: | WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □YES □NO | reverse side. |
| DATE/TIME OF OBSERVATIONS A 12 AM PM | Observers Name: | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF | □YES □NO | either question, complete reverse |
| <u> </u> | Signature: | PRIOR UNAUTHORIZED NSWDs? | □YES □NO | side. |
| QUARTER: APRIL-JUNE 00 DATE/TIME OF OBSERVATIONS H AM PM | Observers Name: Title: Signature: | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □YES □NÓ | If YES to either, question, complete reverse side. |

AN. AL REPORT FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge. Indicate "None" in the first column of this form if you did not conduct a monthly visual observation. Make additional copies of this form as necessary.

| | | | recess | ary. | , and a second dion. |
|--|---|----------------------------|---|--------------------|--------------------------------|
| Observation Date: October 2 1999 | Drainage Location Description | #1 35(\ | #2 | #3 | #4 |
| Observers Name: | Observation Time | IO HO AM. | P.M. : A.M. | ☐ P.M. : ☐ A.M. | |
| Signature | Time Discharge Began Were Pollutants Observed | 9 ES S A.M. | : A.M. | P.M. A.M. | , |
| | (If yes, complete reverse side) | YES NO Z | YES NO I | YES NO | YES NO |
| Observation Date: November 1999 Observers Name | Drainage Location Description | #1 | #2 | #3 | #4 |
| Title: | Observation Time | ☐ P.M. ☐ P.M. ☐ P.M. | · · · · · · · · · · · · · · · · · · | ☐ P.M. : ☐ A.M. | ☐ P.M : ☐ A.M |
| Signature | Time Discharge Began Were Pollutants Observed (If yes, complete reverse side) | : A.M. | : ☐ P.M. : ☐ A.M. | : P.M. | |
| | The revelop state) | | YES NO | YES NO | YES NO |
| Observation Date: December 1999 Observers Name | Drainage Location Description | #1 SS\ | #2 | #3 | #4 |
| Title: Vice Tr | Observation Time | 7 : 3 P.M. | P.M. : A.M. | ☐ P.M. : ☐ A.M. | P.M. |
| Signature | Time Discharge Began Were Pollutants Observed | P.M. : A.M. | : P.M. : A.M. | P.M. : A.M. | : A.M. P.M. : A.M. |
| | (If yes, complete reverse side) | YES NO EX | YES NO | YES NO | YES NO |
| Observation Date: January 7 2000 Observers Name: | Drainage Location Description | #1 55\ | #2 | #3 | #4 |
| itle: | Observation Time | P.M. | P.M.: A.M. | □ P.M. : □ A.M. | . P.M. |
| signature | Time Discharge Began Were Pollutants Observed | ☐ P.M. ☐ A.M. | P.M. : A.M. | P.M. : A.M. | : ☐ A.M. ☐ P.M. : ☐ A.M. |
| | (If yes, complete reverse side) | YES NOX | YES NO | YES T NO T | VEC ET = |

1999-2000

ANNUAL REPORT FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge, indicate "None" in the first column of this form if you did not conduct a monthly visual observation. Make additional copies of this form as necessary.

| Observation Date: February / 2000 | Drainage Location Description | #1 55/1 | #2 | #3 | #4 |
|---|--|---|-------------------------|--------------------------------------|------------------|
| Observers Name: | Observation Time | 9 30 12 A.M. | P,M. : A.M. | ☐ P.M. : ☐ A.M. | □ P.M : □ A.M |
| Title: Signature: | Time Discharge Began Were Poliutants Observed | ☐ P.M. : ☐ A.M. | P.M. : A.M. | | : [] M |
| | (If yes, complete reverse side) | YES NO K | YES NO | YES NO | YES NO |
| Observation Date: March 2000 | Drainage Location Description | #1 | #2 | #3 | #4 |
| Observers Name: | Observation Time | 9 45 P.M. | ☐ P.M. : ☐ A.M. | □ P.M. : □ A.M. | P.M |
| Title: Vice ice | Time Discharge Began | © 50 NA.M. | ПРМ | : | : |
| Signature | Were Poliutants Observed (if yes, complete reverse side) | YES NO NO | YES NO | YES NO | YES NO |
| | | I.u. | | | |
| Observation Date: April 1 2000 | Drainage Location Description | #1 | #2 | #3 | #4 |
| | | | | | |
| Observers Name: | Observation Time | 7 (S) (A.M. | P.M. : A.M. | ☐ P.M. | |
| Title: V C C C C | Observation Time Time Discharge Began | | | | : A.M |
| | Observation Time | 7 (S) (A.M. | : A.M. | : A.M. | : A.M |
| Title: Signature: | Observation Time Time Discharge Began Were Poilutants Observed | T STAM. P.M. P.M. SERVAM. YES NO SK | : | A.M. P.M. A.M. YES NO | : |
| Title: V C C C C | Observation Time Time Discharge Began Were Poilutants Observed (If yes, complete reverse side) | P.M. | : | : A.M. P.M. A.M. | : A.M |
| Title: Signature: | Observation Time Time Discharge Began Were Poilutants Observed | P.M. P.M. P.M. | : | A.M. P.M. A.M. YES NO | : |
| Title: Signature: Observation Date: May 2000 | Observation Time Time Discharge Began Were Poilutants Observed (If yes, complete reverse side) | #1 P.M. | #2 A.M. P.M. P.M. | #3 A.M. P.M. A.M. YES NO #3 | #4 |
| Title: Signature: Observation Date: May 2000 | Observation Time Time Discharge Began Were Poilutants Observed (If yes, complete reverse side) Drainage Location Description | P.M. P.M. P.M. | : | #3 A.M. P.M. P.M. A.M. P.M. | : |

9-2000 ANNUAL REPORT

FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

| EVALUATION DATE: 6 / 9 / 00 | INSPECTOR NAME: Peter I | Chiu | TITLE: | MANAGER SIGNATURE: | Stalls |
|--|--|--------------|--|---|--|
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Aggregate Storage, Fueling Area, Truck Washing, Admix Storage, Maintenance Area, | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | ∏YES ⊠ NO | If yes, to either questlon, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation NONE | Describe additional/revised BMPs or corrective actions and their date(s) of Implementation NONE |
| Return Concrete, RAP, Parking Area | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES NO | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | ∐YES ∐NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | ∏YES ∏NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified In your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | ∐YES | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| | | | | | 1 |

(

STATE OF CALIFORNIA STATE WATER RESOURCES CONTROL BOARD

1999-2000 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 1999 through June 30, 2000

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, C, and D below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be filed) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov.

REGIONAL BOARD INFORMATION:

LOS ANGELES REGIONAL WATER BOARD 320 W. 4TH STREET, SUITE 200 LOS ANGELES, CA 90013

ROBERT TOM (213) 576-6753

E-mail: rtom@rb4.swrcb.ca.gov

GENERAL INFORMATION

4 19S002767

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

B. Facility WDID No:

C. Facility Operator Information:

Contact Person: MR GEORGE COSPY PETER CHILL (323) 258-2777

CALMAT CO 3200 SAN FERNANDO BLVD. LOS ANGELES, CA 90065

D. Facility Information:

Contact Person: Mailing Address:

MR. GEORGE COST (323) 258-2777

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

SIC Code(s):

4953 Refuse Systems

าชีวีวี-2000 ANNUAL REPORT

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

| D. | SA | MPLING A | AND ANAL | SIS EXEMP | TIONS AND RE | <u>EDUCTIONS</u> | | | | | |
|----|-----|--------------------|-----------------------------|------------------------------------|-------------------------------|----------------------------------|------------------------|---------------------------|--|--------------------|---------------|
| | 1. | For the raccordar | reporting pe | riod, was you ctions B.12 or | r facility exemp | ot from collecteral Permit? | ting and a | analyzin | g samples fro | om two sto | rm events in |
| | | YI | ES Go | to Item D.2 | | | XXX | NO | Go to Sect | ion E | |
| | 2. | Indicate copy of t | the reason the first pag | your facility is e of the appro | exempt from opriate certifica | collecting and tion if you ch | l analyzir eck boxe | ng sampl s ii, iii, iv | ies from two v, or v. | stor m ever | nts. Attach a |
| | | i | Participat | ing in an Appr | oved Group M | onitoring Plai | n | Group | Name: | | |
| | | ii. | Submitted | i No Exposui | e Certification | n (NEC) | | Date S | ubmitted: | | <i>I</i> |
| | | | Re-evalua | ation Date: | 1 1 | | | | | | |
| | | | Does faci | lity continue to | satisfy NEC o | conditions? | | YES | ☐ N | 0 | |
| | | iii. | Submitted | l Sampling R | eduction Cert | ification (SR | (C) | Date S | ubmitted: | | <u>/</u> |
| | | | Re-evalua | ation Date: | 1 1 | | | | | | |
| | | | Does faci | lity continue to | satisfy SRC o | conditions? | | YES | N | 0 | |
| | | iv. | Received | Regional Boa | ard Certification | 1 | | Certific | ation Date: | | 1 |
| | | v | Received | Local Agency | / Certification | | | Certific | ation Date: _ | | |
| | 3. | If you ch | ecked boxe | es i or iii above | e, were you sch | neduled to sa | mple one | e storm e | event during | the reportir | ng year? |
| | | Y | ES Go | to Section E | | | | NO | Go to Secti | on F | |
| | 4. | If you ch | ecked boxe | s ii, iv, or v, g | o to Section F. | | | | | | |
| E. | SAM | IPLING AI | ND ANALY | SIS RESULTS | <u> </u> | | | | | | |
| | 1. | یّ How mar | ny storm ev | ents did you s | sample? | _ 2 | | 2.i or iii. a | t ach expla na above, only a | | |
| | 2. | Did you o | collect storred facility of | n water samp perating hours | les from the firs | st storm of the of the Gener | e wet sea al Permit | ason that | t produced a | discharge | during |
| | | X | YES | | | | | NO | Attach exp | lanation | |
| | 3. | How mar | ny storm wa | ater discharge | locations are a | at your facility | /? | ONE | | | |

F. QUARTERLY VISUAL OBSERVATIONS

| 1. | Authorized Non-Storm Water Discharges Section B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water discharges and their sources. | | | | | | | | | |
|----|---|---|--|--|--|--|--|--|--|--|
| | a. | Do authorized non-storm water discharges occur at your facility? | | | | | | | | |
| | | YES XXXX NO Go to Item F.2 | | | | | | | | |
| | b. | Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. Attach an explanation for any "NO" answers. Indicate "N/A" for quarters without any authorized non-storm water discharges. | | | | | | | | |
| | | July -September YES NO N/A October-December YES NO N/A | | | | | | | | |
| | | January-March YES NO N/A April-June YES NO N/A | | | | | | | | |
| | C. | Use Form 2 to report quarterly visual observations of authorized non-storm water discharges or provide the following information. | | | | | | | | |
| | | i. name of each authorized non-storm water discharge ii. date and time of observation iii. source and location of each authorized non-storm water discharge iv. characteristics of the discharge at its source and impacted drainage area/discharge location v. name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or prevent pollutants in authorized non-storm water discharges. Provide new or revised BMP implementation date. | | | | | | | | |
| 2. | Sect | outhorized Non-Storm Water Discharges tion B.3.a of the General Permit requires quarterly visual observations of all drainage areas to detect the sence of unauthorized non-storm water discharges and their sources. | | | | | | | | |
| | a. | Indicate whether you visually observed all drainage areas to detect the presence of unauthorized non-storm water discharges and their sources. Attach an explanation for any "NO" answers. | | | | | | | | |
| | | July -September X YES NO October-December X YES NO | | | | | | | | |
| | | January-March X YES NO April-June XXXXX YES NO | | | | | | | | |
| | b. | Based upon the quarterly visual observations, were any unauthorized non-storm water discharges detected? | | | | | | | | |
| | | YES XXXX NO Go to item F.2.d | | | | | | | | |
| | c. | Have each of the unauthorized non-storm water discharges been eliminated or permitted? N/A | | | | | | | | |
| | | YES NO Attach explanation | | | | | | | | |
| | d. | Use Form 3 to report quarterly unauthorized non-storm water discharge visual observations or provide the following information. | | | | | | | | |
| | | i. name of each unauthorized non-storm water discharge. ii. date and time of observation. iii. source and location of each unauthorized non-storm water discharge. iv. characteristics of the discharge at its source and impacted drainage area/discharge location. v. name, title, and signature of observer. vi. any corrective actions necessary to eliminate the source of each unauthorized non-storm water discharge and to clean impacted drainage areas. Provide date unauthorized non-storm water discharge(s) was eliminated or scheduled to be eliminated. | | | | | | | | |

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur during

| | th | e first hour of dis | charge or, in t | he case of tempor | arily store | d or contained | storm water, at | the time of | discharge. |
|-----|------------------|---|---|--|--|--|--|----------------------------|-------------------------------|
| | 1. | locations. At storm events | tach an expla | nthly visual observanation for any "Nager and the second for any scheduled faciling and title of the second for | IO " a <mark>nsw</mark> ity operat | rers . Include in ing hours that o | n this explanation lid not result in a | n whether a n storm wat | any eligible er discharge, |
| | | October | YES | NO | | February | YES | NO | |
| | | November | 下] | | | March | | | |
| | | December | | | | April | / | | |
| | | January | | | | May | X_ | | |
| | 2. | Report mont | hly wet seaso | n visual observatio | ons using | Form 4 or prov | vide the following | g informatio | n. |
| ANI | NUAL (| b. name a c. charac d. a ny ne Provide | and title of obs teristics of the w or revised E e new or revis | ion of observation server discharge (i.e., od BMPs necessary to ed BMP implemen | reduce of tation dat | or prevent pollu e. | ce of any polluta tants in storm w | ints observ ater discha | ed. rges. |
| Н. | | E CHECKLIST | | | | , , | | | |
| | June 3 be rev | 0). Evaluations r | must be condu ented, as nece plete a ACSC | uires the facility op icted within 8-16 m ssary, within 90 da E. Indicate wheth | nonths of ays of the | each other. The evaluation. The | ie SWPPP and r ne checklist belo | nonitoring p w includes | orogram shall the minimum |
| | 1. H | lave you inspecte he following area | ed all potential as should be ir | pollutant sources ispected: | and indu | strial activities | areas?X <mark>XX</mark> YE | S | NO NO |
| | • | areas where sethe last year. outdoor wash process/manu loading, unloa waste storage dust/particular erosion areas | and rinse are ufacturing area ading, and tran e/disposal area te generating | as. Isfer areas. Ias. | iring | material sto vehicle/equ truck parkir rooftop equ vehicle fuel | pair, remodeling, prage areas ipment storage a ig and access ar ipment areas ing/maintenance water discharge | areas reas e areas | |
| | | łave you reviewe otential pollutant | | ldress existing | XXX <mark>XX</mark>] YE | :s [| По | | |
| | 3. H | lave you inspecte s up-to-date? The | ed the entire fa e following site | cility to verify that map items should | the SWP d be verifi | PP's site map, ed: | XXXXX YE | ES [| NO |
| | • | facility bounda outline of all s areas impacte | torm water dra | ainage areas | st | orm water colle ructural control | harges locations ection and conve measures such ent areas. oil/wa | yance syst as catch b | asins, |

Have you reviewed all General Permit compliance records generated

since the last annual evaluation?

| | The following records should be reviewed: | | | | |
|------------|---|-------------|---|--|---------------|
| | quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities | • | water dischar Sampling and | uthorized non-storr ge visual observati d Analysis records maintenance inspe- ince records | ons |
| 5. | Have you reviewed the major elements of the SWPPF compliance with the General Permit? | o to assu | re | XXXXX YES | МО |
| | The following SWPPP items should be reviewed: | | | | |
| | pollution prevention teamlist of significant materialsdescription of potential pollutant sources | • | identification a | of potential pollutan and description of t for each potential p | he BMPs to be |
| 6. | Have you reviewed your SWPPP to assure that a) the in reducing or preventing pollutants in storm water disnon-storm water discharges, and b) the BMPs are being | charges | and authorized | XXXXX YES | Пио |
| | The following BMP categories should be reviewed: | | , | | |
| | good housekeeping practices spill response employee training erosion control quality assurance | • | preventative material hand waste handlir structural BM | lling and storage p ng/storage | ractices |
| 7. | Has all material handling equipment and equipment no implement the SWPPP been inspected? | eeded to | | XXXXX YES | NO |
| <u>ACS</u> | SCE EVALUATION REPORT | | | | |
| The | facility operator is required to provide an evaluation rep | ort that ir | ncludes: | | |
| • | identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions | • | | mplementing SWPF of non-compliance | |
| Use | Form 5 to report the results of your evaluation or development | op an eq | uivalent form. | | |
| | | | | | |
| <u>ACS</u> | SCE CERTIFICATION | | | | |
| | facility operator is required to certify compliance with the fy compliance, both the SWPPP and Monitoring Program | | | | |
| | ed upon your ACSCE, do you certify compliance with the vities Storm Water General Permit? | e Industri | al XXXXX | YES | NO |
| | u answered "NO" attach an explanation to the ACSCE pliance with the Industrial Activities Storm Water General | | | you are not in | |
| | | | | | |

1.

J.

ATTACHMENT SUMMARY

Title: MANAGER, ENVIRONMENTAL AFFAIRS

| Answer the questions below to help you determine what should be at Applicable) to questions 2-4 if you are not required to provide those a | | l report. Answei | · NA (Not |
|---|--|--|---|
| 1. Have you attached Forms 1,2,3,4, and 5 or their equivalent? | XXXXX YES (M | andatory) | |
| 2. If you conducted sampling and analysis, have you attached the laboratory analytical reports? | XXXXX YES | □ NO | ☐ NA |
| 3. If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications? | YES | □ № | XXXX NA |
| Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J? | XXXXX YES | □ ио | ☐ NA |
| ANNUAL REPORT CERTIFICATION | | | |
| I am duly authorized to sign reports required by the INDUSTRIA PERMIT (see Standard Provision C.9) and I certify under penal were prepared under my direction or supervision in accordance personnel properly gather and evaluate the information submitted who manage the system, or those person directly responsible for submitted is, to the best of my knowledge and belief, true, accusignificant penalties for submitting false information, including the violations. | ty of law that this d with a system des ed. Based on my in or gathering the infor tate and complete. | ocument and a igned to ensure or a the peopre of the peopre in a the ir armation, the ir armation of the the contraction of the contract of th | Ill attachments e that qualified erson or persons oformation at there are |
| Printed Name: Peter Chiu | | | |
| Signature: | | Date: <u>June 2</u> | 26, 2000 |



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065-5

Telephone: (323)258-2777 Attention: George Cosby Number of Pages 12

Date Received 04/17/2000 Date Reported 04/28/2000

| Job Number | Order Date | Client |
|------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Project Name: Hewitt Storm water

Site:

Hewitt/Calmat Self-Storage

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Willan Approved By:

Cyrus Razmara, Ph.D. Laboratory Director



2834 North Naomi Street, Burbank, California 91504, Phone (888) 288-AETL, (818) 845-8200 Fax (618) 845-8840

AETL JOB# 15230 PAGE 1 OF 1

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|----------------|------------------|---------------------------------------|-----------------|------------------------|------------|-------|--------------|------------|--------|----------|-----|----------|------------|-----|----------|--|------------|--------|----------|---------------------------|-----|-----------------|---------|
| CLIENT: VU | 1 Can Morte | rials Co | Cal | Mat Div. | • | F/ | X: | | | 258-2 | | 1 | Link Think | 7 | K | Ţ | \int | 一 | 17 | $\int_{-\infty}^{\infty}$ | Τ, | \int_{-1}^{1} | // |
| ADDRESS: 💪 | 3200 Savenit / C | n Fern | ian de | Rd., l | as S | An | gel | <u> </u> | Ca | . 9c06 | 5/ | H | 100 | | tie Se | | 8 | | 1 | ' | | / | |
| SITE: | iewith/C | almat: | Self- | Storage | | | <i>J</i> | | | ··· | 1/6 | | みなった | 公 | | 3/4 | 9/2 1/2 | 7 | | | / , | I_{\perp} | |
| CONTACT W | r. George | Cosh | PROJEC NAME: | Hewith St | <u>)(m</u> | Water | PROJ NUMB | ECT ER: | 1 | | 120 | 19 | 1 | 9 | OX. | É | | / { | | / | | \neq | |
| SAMPLE ID | LAB ID | DATE | TIME | CONTAINER SIZE/TYPE | ····. | WATER | SOUD | משפעו | | PRES. | | | | | | | | | | | | | REMARKS |
| ØFÇ01 | AE72340 | 4-17-00 | 1515 | IL/PL | | V | | | · | ice | V | | | | | | | | | | | | |
| | | | | 1L/PL | | V | | | | | | 1 | | | | | | | | | | | * |
| | | | \rangle | IL/GL Am | | V | | | | | | | V | | | | | | | | | | |
| | | | | 1L/GLAM | | V | | | | | : | | | 1 | | | | | | | | | |
| | | | (2) | 40ML | | V | | | | | | | | | Y | V | | | | | | | |
| | ₩ | | | 4832 | | V | | - | | <u> </u> | | | | | | | 닉 | | | | | | |
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| Collected By: | Xtgue 4º | ~ // · | | te 4-17-00 | | ime/S | | | livere | , , | lue | | -6 | vu | <u> </u> | | Dat | e 4 | -17 | 00 | , | | 1605 |
| Relinquished E | XILL | - mu | | te 4-17-0 | | ime (| 605 | | | pratory | al | <u> </u> | li | 10. | ar | <u>. </u> | Dat | 84. | -17 | -0 | 0 | Tim | 1604 |
| Turn Al 37 | Time V | · · · · · · · · · · · · · · · · · · · | No. | rmal | F | ush | | A | ŽI. | Invoice | 2 1 | Jul | Ca | n | Va | ter | ial | 2 | 6. | <u>- (</u> | - | u i | Divi |



2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065-5

Attn:

Telephone: (323)258-2777 George Cosby

Page

2

Hewitt/Calmat Self-Storage

| | | | | AET | L Job Num | ber Su | bmitted | Client |
|---|------------|-------------|--------------|------|------------|---------|----------|---|
| Project Name: Hewitt St | torm water | | | | 15230 | 04 | /17/2000 | VULCAN |
| Our Lab I.D. | | | | | | | AE72340 | |
| Client Sample I.D. | | Method Blan | k OF-001 | | | | | |
| Date Sampled | | 04/17/200 | 0 04/17/2000 | | | | | |
| Matrix | | | | | | Aqueous | Aqueous | |
| Analytes | Method | Units | MDL | PQL | Analyzed | Results | Results | |
| Specific conductance | 120.1 | umhos/cm | 5.0 | 10.0 | 04/17/2000 | ND | 103 | |
| рН | 150.1 | pH unit | 0.01 | 0.01 | 04/17/2000 | N/A | 7.71 | *************************************** |
| Total Suspended Solids (TSS) | 160.2 | mg/L | 5.0 | 10.0 | 04/19/2000 | CLIK | 258 | ······································ |
| Calcium | 200.7 | mg/L | 0.25 | 0.50 | 04/19/2000 | ND | 13.6 | |
| ead | 200.7 | mg/L | 0.05 | 0.10 | 04/19/2000 | ND | 0.15 | |
| ickel | 200.7 | mg/L | 0.01 | 0.05 | 04/19/2000 | מא | 0.0213 | |
| Sodium | 200.7 | mg/L | 0.25 | 0.50 | 04/19/2000 | ND | 4.1 | |
| Zinc | 200.7 | mg/L | 0.01 | 0.05 | 04/19/2000 | ND | 0.23 | · · · · · · · · · · · · · · · · · · · |
| Chloride | 325.3 | mg/L | 0.5 | 1.0 | 04/18/2000 | Й | 5 | |
| Biochemical Oxygen Demand (BOD) | 405.1 | mg/L | 5.0 | 5.0 | 04/24/2000 | ND | 12 | |
| Chemical Oxygen Demand | 410.4 | mg/L | 5.0 | 10.0 | 04/21/2000 | ND | 77 | |
| Oil and Grease | 413.1 | mg/L | 0.5 | 1.0 | 04/18/2000 | ND | 6.1 | |
| Benzene | 602/M8015G | ug/L | 0.25 | 0.50 | 04/27/2000 | ND | ND | |
| Ethylbenzene | 602/M8015G | ug/L | 0.25 | 0.50 | 04/27/2000 | ND | ND | |
| Toluene (Methyl benzene) | 602/M8015G | ug/L | 0.25 | 0.50 | 04/27/2000 | ND | ND | |
| Xylenes (Total) | 602/M8015G | ug/L | 0.50 | 1.00 | 04/27/2000 | ND | ND | |
| Methyl-tert-butyl ether (MTBE) | 602/M8015G | uġ/L | 0.50 | 1.00 | 04/27/2000 | ND | ND | · |
| TPH as Gasoline and Light HC. (C4-C12) | 602/M8015G | ug/L | 5.0 | 10.0 | 04/27/2000 | ND | סא | |
| TPH as Diesel (C12-C23) | M8015D | mg/L | 0.1 | 0.5 | 04/18/2000 | ND | ND | |
| TPH as Heavy Hydrocarbons (C23-C40) | M8015D | mg/L | 0.1 | 0.5 | 04/18/2000 | ND | 0.7 | |
| TPH Total as Diesel and Heavy HC.C12-C40 | M8015D | mg/L | 0.1 | 0.5 | 04/18/2000 | ND | 0.7 | |



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ANALYTICAL RESULTS

| Ordered By | |
|--------------------------------|---|
| Vulcan Materials CoCalmat Div. | _ |
| 3200 San Fernando Road | |
| Los Angeles, CA 90065-5 | |

| Site | | | | | | | |
|----------------------------|--|----------|--|--|--|--|--|
| Hewitt/Calmat Self-Storage | | 7 2 2 | | | | | |
| · - | | 2 % 2 | | | | | |
| | | | | | | | |

Telephone: (323)258-2777 Attn: George Cosby

Page:

3

Project Name:

Hewitt Storm water

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 04172000/04172000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Specific conductance | 534 | 534 | <1 | <15 | 141.3 | 141.3 | 100 | 80-120 | |



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ANALYTICAL RESULTS

| Ordered By | Site |
|--------------------------------|----------------------------|
| Vulcan Materials CoCalmat Div. | Hewitt/Calmat Self-Storage |
| 3200 San Fernando Road | |
| Los Angeles, CA 90065-5 | |
| | |

Telephone: (323)258-2777 Attn: George Cosby

Page:

4

Project Name:

Hewitt Storm water

| AETL Job Numbe | r Submitted | Client |
|----------------|-------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04172000/04172000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Umit | |
| pH | 7.34 | 7.34 | <1 | <15 | 7.0 | 7.0 | 100 | 80-120 | |



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ANALYTICAL RESULTS

| Ordered B | Y |
|-----------|---|
|-----------|---|

Vulcan Materials Co.-Calmat Div.

3200 San Fernando Road

Los Angeles, CA 90065-5

Site

Hewitt/Calmat Self-Storage

Telephone: (323)258-2777 Attn:

George Cosby

Page:

5

Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|------------------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Total Suspended Solids (TSS) | 139 | 136 | 2.2 | <15 | 100.0 | 94.0 | 94 | 80-120 | |



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ANALYTICAL RESULTS

| Ordered By | | |
|--------------------------|--------|--|
| Vulcan Materials CoCalma | t Div. | |
| 3200 San Fernando Road | | |
| Los Angeles, CA 90065-5 | · . | |
| | | |

Hewitt/Calmat Self-Storage

Telephone: (323)258-2777 Atm:

George Cosby

Page:

Project Name:

Hewitt Storm water

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

| | MS | MS | MS | MS DUP | MS DUP | MC DUD | | <u> </u> | | |
|----------|--------|--------------|-------|--------|--------|--------|-----|----------|---------|----------|
| Analytes | j . | - | | | MS DUP | MS DUP | RPD | MS/MSD | MSRPD | 14 |
| * | Concen | Concen Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Calcium | 1.0 | 0.9 | 93 | 1.0 | 0.9 | 93 | <1 | 80-120 | | <u> </u> |
| Lead | 1.0 | 1.0 | 99 | | | | | | <15 | |
| Nickel | | | | 1.0 | 1.0 | 100 | 1.0 | 80-120 | <15 | |
| | 1.0 | 1.0 | 100 | 1.0 | 1.0 | 100 | <1 | 80-120 | <15 | |
| Sodium | 1.0 | 0.8 | 81 | 1.0 | 0.9 | 86 | 6.0 | 80-120 | | |
| 7inc | 1.0 | 1.0 | 99 | 1.0 | | | | | <15 | |
| | | | | 1.0 | 1.0 | 98 | 1.0 | 80-120 | <15 | |

QC Batch Number: 04192000/04192000

| LCS | LCS | LCS | LCS/LCSD | | T | | | | Γ | T |
|--------|------------------------|--|---|---|---|---|---|---|---|---|
| Concen | Recov | % REC | % Limit | | , | | | | | |
| 1.0 | 1.0 | 103 | 80-120 | | | | | | | - |
| 1.0 | 1.0 | 98 | 80-120 | | | | | | | |
| 1.0 | 1.0 | 102 | 80-120 | | | | | | | - |
| 1.0 | 1.0 | 104 | 80-120 | | | | | | <u> </u> | |
| 1.0 | 1.0 | 102 | 80-120 | | | | | | | ļ |
| | Concen 1.0 1.0 1.0 2.0 | Concen Recov 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | Concen Recov % REC 1.0 1.0 103 1.0 1.0 98 1.0 1.0 102 1.0 1.0 104 | Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120 | Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120 | Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120 | Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120 | Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120 | Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-130 1.0 1.0 104 80-120 | Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120 |



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ANALYTICAL RESULTS

Site

Hewitt/Calmat Self-Storage

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road

Los Angeles, CA 90065-5

Telephone: (323)258-2777 Attn:

George Cosby

Page:

Project Name:

Hewitt Storm water

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

| | | MS | MS | MS DUP | MS DUP | MS DUP | RPO | MS/MSD | MS RPD | |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chloride | 20.0 | 20.0 | 100 | 20.0 | 20.0 | 100 | <1 | 80-120 | <15 | |

QC Batch Number: 04182000/04182000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|-----|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
| Chloride | 276 | 276 | <1 | <15 | 20.0 | 20.0 | 100 | 80-120 | M w | |
| | | | | | | | | | | |



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ANALYTICAL RESULTS

| 0-40-04 NJ | |
|--------------------------------|--|
| Vulcan Materials CoCalmat Div. | |
| 3200 San Fernando Road | |
| Los Angeles, CA 90065-5 | |

| 3 J. (| CO | | | |
|--------|--------------------------|-------|---|--|
| Hev | witt/Calmat Self-Storage | 17. 1 | ; | |
| • | | | | |
| | | | | |

Telephone: (323)258-2777 Attn: George Cosby

Page:

8

Project Name:

Hewitt Storm water

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

| | SM | \$M DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | <u> </u> | T . |
|---------------------------------|--------|---------|-----|---------|--------|-------|-------|----------|----------|-----|
| Analytes | Result | Result | % | % Llmit | Concen | Recov | % REC | % Limit | | |
| Biochemical Oxygen Demand (BOD) | 12 | 12 | <1 | <15 | 200.0 | 190.0 | 95 | 80-120 | | |
| | | | | | | | | <u> </u> | | 1 |



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ANALYTICAL RESULTS

| Ordered By | | | |
|---------------------------|------|------|------|
| Vulcan Materials CoCalmat | Div. | | |
| 3200 San Fernando Road | | | |
| Los Angeles, CA 90065-5 | | | |

| Site | | |
|---------------|--------------|--|
| Hewitt/Calmat | Self-Storage | |
| | | |
| | | |

Telephone: (323)258-2777 Attn: George Cosby

Page:

9

Project Name:

Hewitt Storm water

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 04212000/04212000

| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|-----|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | . = |
| Chemical Oxygen Demand | 100.0 | 96.0 | 96 | 100.0 | 94.0 | 94 | 2.1 | 80-120 | <15 | |

QC Batch Number: 04212000/04212000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|------------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Llmit | |
| Chemical Oxygen Demand | 48 | 48 | <1 | <15 | 100.0 | 93.0 | 93 | 80-120 | |



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ANALYTICAL RESULTS

| Ordered By | Site | | | | | | |
|--------------------------------|----------------------------|--|--|--|--|--|--|
| Vulcan Materials CoCalmat Div. | Hewitt/Calmat Self-Storage | | | | | | |
| 3200 San Fernando Road | | | | | | | |
| Los Angeles, CA 90065-5 | | | | | | | |
| | | | | | | | |

Telephone: (323)258-2777 Attn: George Cosby

Page:

10

Project Name:

Hewitt Storm water

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Method: 413.1, Oil and Grease, Total Recoverable, Gravimetric, Sep. Funnel

QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

| | LCS | LCS | LCS | LCS/LCSD | | | |
|----------------|--------|-------|-------|-----------|--|--|--|
| Analytes | Concen | Recov | % REC | · % Limit | | | |
| Oil and Grease | 10.0 | 10.6 | 106 | 80-120 | | | |



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ANALYTICAL RESULTS

| ordered by | |
|--------------------------------|--|
| Vulcan Materials CoCalmat Div. | |
| 3200 San Fernando Road | |
| Los Angeles, CA 90065-5 | |

Site

Hewitt/Calmat Self-Storage

Telephone: (323)258-2777 Attn: George Cosby

Page:

11

Project Name:

Hewitt Storm water

| AETL J | ob Number | Submitted | Client |
|---------------------|-----------|------------|--------|
| 111 6 6 - 6 - 6 - 6 | 15230 | 04/17/2000 | VULCAN |

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

| | · | The second secon | | |
|--------------------|-----------|--|---|---|
| Our Lab LD. | | AE72340 | · | 7 |
| Surrogates | Con.Limit | % Rec. | | |
| Bromofluorobenzene | 75-125 | 97 | | |
| Trifluorotoluene | 75-125 | 101 | | |

QUALITY CONTROL REPORT

QC Batch Number: 04272000/04272000

| <u>,</u> | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | M\$ RPD | |
|--------------------------|--------|-------|-------|--------|--------|--------|------|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Benzene | 50.0 | 50.0 | 100 | 50.0 | 53.0 | 106 | 5.8 | 75-125 | <20 | |
| Ethylbenzene | 50.0 | 57.0 | 114 | 50.0 | 54.0 | 108 | 5.4 | 75-125 | <20 | |
| Toluene (Methyl benzene) | 50,0 | 47.0 | 94 | 50.0 | 47.0 | 94 | <1 | 75-125 | <20 | |
| LCS | | | | | | | | | | |
| o-Xylene | 50.0 | 49.0 | 98 | 50.0 | 47.0 | 94 | 4.2 | 75-125 | <20 | |
| m,p-Xylenes | 100.0 | 93.0 | 93 | 100.0 | 80.0 | 80 | 15.0 | 75-125 | <20 | |

QC Batch Number: 04272000/04272000

| | | | | · | | | | |
|--------------------------|--------|-------|-------|----------|------|------|------|--|
| • | LCS | LCS | LCS | LCS/LCSD | | | | |
| Analytes | Concen | Recov | % REC | % Limit | | | | |
| Benzene | 50.0 | 47.0 | 94 | 75-125 | | | | |
| Ethylbenzene | 50.0 | 53.0 | 106 | 75-125 | | | | |
| Tolucne (Methyl benzene) | 50.0 | 46.0 | 92 | 75-125 | | | | |
| LCS | 1. | | | | | | | |
| o-Xylene | 50.0 | 48.0 | 95 | 75-125 | | | | |
| m,p-Xylenes | 100.0 | 85.0 | 85 | 75-125 | | | | |



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ANALYTICAL RESULTS

| | Calmat Div | | | | Site | | | | | | |
|---|------------------|--------------|----------------|----------------------------|-------|---------|-----------|-------|--|--|--|
| Vulcan Materials CoCalmat Div. 3200 San Fernando Road Los Angeles, CA 90065-5 | | | | Hewitt/Calmat Self-Storage | | | | | | | |
| Telephone: (323)258 Attn: George C | | | | | | | | | | | |
| Page: | .2 | | | | | | | , | | | |
| Project Name: H | ewitt Storm wate | - W | | AETL | | Number | Submitted | Clien | | | |
| Trojoutituito, | | 15230 | | 04/17/2000 | VULCA | | | | | | |
| | Method: M | 8015D, TPH a | s Diesel and H | leavy F | IC (C | 12-C40) | | | | | |
| Our Lab I.D. | | · | AE72346 | | ¥ | 1 | | | | | |
| Surrogates | Cor | .Limit | % Rec. | | | | | | | | |
| Chlorobenzene | | 75-125 | 110 | | | | | | | | |

QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

| | · | | | | | | | | | |
|-------------------------|--------|-------|-------|----------|--------|--------|-----|---------|---------|---|
| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| TPH as Diesel (C12-C23) | 25.0 | 24.3 | 96 | 25.0 | 23.5 | 92 | 4.3 | 75-125 | | |
| | | | | <u> </u> | | | | | ,,,,, | i |

QC Batch Number: 04182000/04182000

| | LCS. | LCS | LCS | LCS/LCSD | | 747074 | | Γ | |
|-------------------------|--------|-------|-------|----------|----------|--------|--------------|---|---|
| Analytes | Concen | Recov | % REC | % Limit | | | | | |
| TPH as Diesel (C12-C23) | 25.0 | 23.8 | 96 | 75-125 | | | <u> </u> | | |
| | | | | L | <u> </u> | | ! | 1 | 1 |



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Ordered By

| · · · · · · · · · · · · · · · · · · · |
|--|
| Vylcan Materials Co: Calmat Div |
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| See ago a group figure for the first to be an analysis of the first the first the first to the first the f |
| 3200 San Fernando Road |
| - 19.9 COM CAME MARRIED OF TOO ME COMPANIES AND A COMPANIES. |
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| |
| Los Angeles : CA 90065 |
| The control of the co |
| |

Telephone: (323)258-2777 Attention: George Cosby

| Job Number | Forder Date: | Client |
|------------|--------------|--------|
| 14543 | 02/14/2000 | VULCAN |

Project Name: Hewitt Stormwater Sampling

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

pel Sellay Approved By: Re-Cyrus Razmara, Ph.D. Laboratory Director



2834 North Nacmi Street, Burbank, California 91504, Phone (888) 288-AETL, (818) 845-8200 Fax (818) 845-8840

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|-----------|--------|-------|----------|
| | 101592 | , | - 1 |
| AETL JOB# | 1971 | PAGEO | <u> </u> |

| 38080 | | Ala Ca | | CHA | MIL | OF (| CUS | TOD | YR | ECORD | | | | ζ, | AN | AL | YSIS | S RI | EQU | JEST | ED | | |
|----------------------------------|--------------------|---------|-------------------|------------------------|--------------|----------------|--------------|-------|----------------|-------------|-----|------------------------|-------------|----------|------------|----|----------|-------|-----------------|--------------|-----|---------|----------|
| CLIENT: | Mate 11 Can Inc | dustice | - Calm | at Divisi | on | TELEF F/ | HONE | : 32 | 3-2. | 58-277 | 77 | | X /. | Thom | 7 | / | ST. | N. A. | T_{I} | 7/ | 7 | 77 | |
| ADDRESS: SITE: CONTACT PERSON: | | | | | | | | | | | | | 19 | | | | | | / | | /, | // | |
| SITE: | os Amele | s Ca | <u> 00</u> | 065 | | | | | · | | _/ | \mathfrak{A}_{\cdot} | EX EX | ð. | <u>@</u> / | \$ | 3 | | \int_{-1}^{1} | / / | | | |
| CONTACT PERSON: | George ! | Casloy | PROJEC NAME: (| it Hewitt Noter Sam | Stor 2Lia | rm <u>L</u> | PROJ NUME | BER: | ····· | | J. | ٧٠ | Fi | 97 | 70 | 70 | <u>7</u> | // | \int | \bot | | | |
| SAMPLE ID | LAB ID | DATE | TIME | CONTAINER SIZE/TYPE | | J SAN | SOLID | ПОПВ | отнея | PRES. | | | | | | | | | | | | REMARK | \$ |
| 0F-001 | AE69585 | 2-12-00 | 1040 | Lit. | | | | | | | V | - | | | | | | | | 1 | | | |
| / | | (| | 125 Lt | | V | | | | | | | | · | W | | | | | | | | |
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ANALYTICAL RESULTS

Ordered By

Vulcan Materials co : Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323) 258-2777 Attn: George Cosby

Page

| Project Name | : Hewitt | Stormwater | Sampling |
|--------------|----------|------------|----------|
|--------------|----------|------------|----------|

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 14543 | 02/14/2000 | VULCAN |

| Project Name: Hewitt Sto | ormwater | Sampling | | | 14245 | | 14/2000 | VOLCAN |
|--|--|--|--|--|---|--|--|--|
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| Client Sample I.D. | d. 1. 33 E | | | | | Method Blank | OP-001 | |
| Date Sampled | | | | | | 02/12/2000 | 02/12/2000 | |
| Matrix | | | | | | Aqueous | Aqueous | |
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| and the state of t | egy per de stempe de tot de ser é condi- e : | the terrestrant and the | The property of the property o | aptables, he ealer is it #177 P | Arnelmo fr teruging, finderprogrammer hat he stepen Confliction or open, about he's men the decision of the series of pa- ters ment to be also also decision. | action in the board that a series of the | de des faits serficies de grant des des | all targets |
| Specific conductance | 120.1 | umhos/cm | 5.0 | 1 | 02/14/2000 | [| 85 | |
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| Total Suspended Solids (TSS) | 160.2 | mg/L | 5.0 | 10.0 | 02/15/2000 | 1 | 25 | |
| General-Chemistry | A to the property of the prope | State of the control | Control of the second of the s | Ann cen befonnus nicht in geben in mit bei er bei beite beite Greie Gade mit beite beite beite Greie dezen m | company of contrast the | en programme de la company de | Color B + B-1 - Dec 22 and | |
| Chloride | 325.3 | mg/L | 0.5 | 1.0 | 02/21/2000 | ND | 2.0 | |
| General Chemistry | engliere of party of Hiller Tophile is to the control of the control of the | mikara pake sergen emal galan Seren en emal ser galan sergen era sergen | र सुन्न हो हे कर र प्रकृति स्थितकरम् (चे र भू सर्वे के एर हो के कि एर है के क्यांना के (संक्रिकेट के हो र स्थापन के है सहस्थान सम्बद्ध | programme and control of the control | The state of the s | and the state of the property of the state o | North Barter of Contract Contract | Paris Fa |
| Biochemical Oxygen Demand (BOD) | 405.1 | mg/L | 5.0 | 5.0 | 02/19/2000 | מא | MD | |



Ame san Environmental Testing La statory Inc.

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ANALYTICAL RESULTS

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02/15/2000

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02/21/2000

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Ordered By

Vulcan Materials Co. Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Client Sample I.D.

General Chemistry

Date Sampled

Specific conductance

General Chemistry

Total Suspended Solids (TSS)

General Chemistry

General Chemistry

Biochemical Oxygen Demand (BOD)

Matrix

Page

2

Analytes Method

Project Name: Hewitt Stormwater Sampling

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ANALYTICAL RESULTS

Ordered By

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Telephone: (323)258-2777 Attn: George Cosby

Page

| AETL Job. Number. | - submitted | Client |
|-------------------|-------------|--------|
| 14543 | 02/14/2000 | VULCAN |

| Project Name: Hewitt St | ormwater | Sambiring | | 1, | 14543 | 02/ | 14/2000 | VULCAN |
|-------------------------------|--|---|--|--|--|---|--|--|
| Our Lab LTD All and Life Life | primerals no antalaste, is AC at Borth 127 primerals no antalaste, is AC at BC 1 Spr primeral couply because on a companishe primeral couply because | open properties a language for all the second of the second of the second of the second open open open open open open open open | des leut für Wahrelane men det/from ann stagen schwigt of top from a lea anne sperige of group at brone followers | ուլ ահայոնա ունասուներությամբ հունա Հորդությամբ Միրո բարաքի եր մի ան հունա Հորդությամբ Միրո բարաքի այն համաձակ Հունասին արագագությամբ բույլ | or 20 data paper hama a de de presentado de de presentado de de deserva de la composição de | charge arthur phone for 1 year from A feet of phone of the front state 1 to the management of physics of the first the front state of the con- | AE69585 | A B TOPEN OF THE COMMENT OF THE COME |
| Client Sample I.D. | | | | 122 | .= | Method Blank | | |
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| General Chemistry 771. | the state of the property of the state of th | de lasterier ne autre ja en tropie de la companie de la jildes, a perception | ு நிர சிரையின்ற அரசு அரசு கடித்திர நடித்தின் அரசு நடித்திர | Hardware To To present a set of the court of | Phartadores mailtagelph make paying and a promoting to make paying and a promoting | in mirth and rivides above the | The state of the s | ស្សារី ជំនិញស្រីស្រី សេស (ស្រីស ស្រង្ស ក្រុសស្បានមានសុស) |
| pH | 150.1 | pH unit | 0.01 | 0.01 | 02/14/2000 | N/A | 7.08 | |
| Calcium | 200.7 | mg/L | 0.25 | 0.50 | 02/16/2000 | מא | 5.3 | 45 44 |
| Lead | 200.7 | mg/L | 0.05 | 0.10, | 02/16/2000 | מע | ND | |
| Nickel | 200.7 | mg/L | 0.03 | 0.05 | 02/16/2000 | ND | ND | |
| Sodium | 200.7 | mg/L | 0.25 | 0.50 | 02/16/2000 | ND | 2.1 | |
| Zinc | 200.7 | mg/L | 0.01 | 0.05 | 02/16/2000 | ND | ND | |
| Chemical Oxygen Demand | 410.4 | mg/L | 10 | | 02/14/2000 | ND | 20 | |
| General Chemistry | granding to emergence the com- page to a part of the emergence of the com- page of the compage of the com- | Long to pelmagelose region of a neck to region of a neck to | ne de organica de la contra de la contra de contra de la contra del contra de la contra del la contra del la contra del la contra del la contra del la contra de la contra del | History of the second s | regarding in eath operation of the Utility of depression of the eath of the University of the eath of the eath of the eath | प्रकार कर स्थानक नाम क्रिका प्रकार कर मुस्सिक नाम क्रिका प्रकार मुस्सिक स्थान | pro-production to the compact of the | a () () () () () () () () () (|
| Oil and Grease | 413,1 | rng/L | 0.5 | 1.0 | 02/17/2000 | מוא | מא | |
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ANALYTICAL RESULTS

Ordered By

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Page:

4

Project Name:

Hewitt Stormwater Sampling

| AETL J | ob Number | Sub | mitt | ed | Client |
|----------|--|-----|------|------|--------|
| | L4543 | 02/ | 14/2 | 2000 | VULCAN |
| | THE PARTY OF THE P | | | | |

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 02222000/02222000

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| Client Sample I.D. | | | Method Blank | OF-001 | 231 A to 130 kg lad See a self | | Hade at lead eater at a |
| Date Sampled | | | 02/12/2000 | 02/12/2000 | | | |
| Date Prepared | | | 02/22/2000 | 02/22/2000 | | | |
| Preparation Method | | | 5030B | 5030B | 100000 | | |
| Date Analyzed | | | 02/22/2000 | 02/22/2000 | | | |
| Matrix | | | Aqueous | Aqueous | | | |
| Units | | | ug/L | ug/L | | | |
| Dilution Factor | | | 1 | 1 | | | |
| (all the second | Edite MDL | POL | Results | Results | होतर के निर्माण कर्म क्रिकेट स्थान है। इस के ना मुस्सान मुख्या क्रिकेट स्थान के इस के नी मुस्सान, क्रिकेट स्टब्स्टिक्ट | Prof. In sp. 1900 or each lap at stock to the limit of majorithe in extending and digital and they provide a district | eleditori, emigrama State or directoria |
| uenzene | 0.25 | 0.50 | ND | ND | A-1-16- To D. A.I. II St. D. St House | all (*) de ll a 25° ca desarga (* | |
| Ethylbenzene | 0.25 | 0.50 | ND | ND | | | |
| Toluene (Methyl benzene) | 0.25 | 0.50 | ND | DΜ | | | |
| Xylenes (Total) | 0.50 | 1.00 | ND | מא | | | |
| TPH as Gasoline and Light HC. (C4-C12) | 5.0 | 10.0 | ND | ND | | | |

| Our bab LD | Con Timit | elet deut 1991 (e. 1901). Deut deut deut 1992 (e. 1902). Electron deut deut deut deut deut deut deut deut | % Recpile | AE69585 | The property of the property o | The transfer of the property o | William Supply of the Control of the |
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| Bromofluorobenzene | 75-125 | | 98 | 108 | Sit madion a radio later Leville | March March 18 19 19 | , i i i i i i i i i i i i i i i i i i i |
| Trifluorotoluene | 75-125 | | 109 | 103 | | | |



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ANALYTICAL RESULTS

Ordered By

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Telephone: (323)258-2777 Attn: George Cosby

Page:

5

Project Name:

Hewitt Stormwater Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 14543 | 02/14/2000 | VULCAN |

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 02212000/02212000

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|--|--|--|--|------------|--|---|--|
| Our Lab I.D. Sand half distribution | Ann an ming skil state, ar ten an a te late the description for a large man a money the properties of the state of the te- | तः व र १ व व में क्यार मा प्रेमी के मा कर है। व व र १ व व में क्यार मा प्रेमी कर है। व व र १ व व व व्यार के स्वाप्त कर है। | of mylydia projekt (2006 to 13, saydroff 14, o (13 ford 12 dec at gloub pupe of course to at seek praticion of december proposation of co at course for a month of the projekt of the course at course for a month of the course of the course | AE69585: | First of subtrees to confuse to take the factor in the first threats of First temporary gift for the first temporary gift in the first tempora | and the control of the second | Jungs (1974) 11 jungs Statt uputa nat hito ja jun la H (papung) 1 aa silang papun sijana kaloni na na silang papun sijana kaloni na |
| Client Sample I.D. | | | Method Blank | | | | |
| Date Sampled | | | 02/12/2000 | 02/12/2000 | | | |
| Date Prepared | | | 02/21/2000 | 02/21/2000 | | | |
| Preparation Method | | | 3510C | 3510C | | | |
| Date Analyzed | | 22 | 02/22/2000 | 02/22/2000 | , | | |
| Matrix | 2, 174 | | Aqueous | Aqueous | .61 | | |
| Units | | | mg/L | mg/L | | | |
| Dilution Factor | e 11 11 16 | ari a = | 1 | 1 | | | e |
| Analytes and the property of t | MDE | POL | Results | Results | (PB) to shall be needed that agreeming the second section of the second section of the part of the second section of the second section of the second section of the second section of the second section of the second sec | 7. The Hadders of the engineering of the second of the | भिन्तु विद्यारित है। यहुने स्त्री इ. मुच्युक्त किया हुन हो होगे इ. सुच्युक्त किया है। इस स्ट्रिक्ट के स्त्री है। |
| TPH as Diescl (C12-C23) | 0.1 | 0.5 | ND | ND | | | |
| TPH as Heavy Hydrocarbons (C23+) | 0.1 | 0.5 | MD | ND | | | |
| TPH Total as Diesel and Heavy HC.C12-C40 | 0.1 | 0.5 | סמא | מא | | | |

| Our Lab I.D: independent has presented the property of the pro | r an aproduces for the areas of the first of | A Company of the second of the | ongs, sampleng glep (kapan, hadayon yi ba Destrej seleti jel de toli distrenje, po sar dabi (III.) kacien erdi diseppale de aja malj njenel kalen paraksono ajakto, sono seleti | AE69585 | with the state of | the area of the page 12.2 (a) of the control of the page 12.2 (a) of the control | a ing a spike to the grading and a spike to the grading and a spike the grading and a spike to the gra |
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| Chlorobenzene | 75-125 | | 104 | 96 | | | |



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ANALYTICAL RESULTS

Ordered By

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Page:

6

Project Name:

Hewitt Stormwater Sampling

| AETL Tob Number Sub | mrcced | Glient |
|---------------------|---------|--------|
| 14543 02/ | 14/2000 | VULCAN |

Method: 120.1, Conductance, Specific Conductance (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02142000/02142000

| 1.2. S. Orbiton, E. Ballation de Longell Difference de sont destination in professional for an exact for an experience of a contract of a contract for an experience of a contract for an experience of a contract for a contract fo | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | |
|--|---|--|--------------------------------------|-----------------------------------|--|--------|------------------------------|--|---|---------------------|
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| Specific conductance | 254 | 254 | <1 | <15 | 1413-0 | 1398.9 | 99 | 80-120 | 3 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 | 677 474444 |



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ANALYTICAL RESULTS

Ordered By

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Telephone: (323)258-2777 Attn: George Cosby

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7

Project Name:

Hewitt Stormwater Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 14543 | 02/14/2000 | VULCAN |

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02142000 / 02142000

| The fam had to design be group of the real manifolds and the beginning form in more than it is a supplementation of the second of the design of the second o | L SAA | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | |
|--|---|--|---|--|--|---|--|--|--|-----------------------------------|
| Analytical and appropriate the state of the | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
| General Chemistry | ag de la dichte ban ag que a ban lan bingaben in chiloso in company of permit about | Haragassiah e piderial di Lin bilah Haras dibili dan hibit Dobi bida | r ditalima plendi per paim sasinte a sama mamigrasan ama philopper ang pakaon | al and the control of | en Bylandara, betre bi en Bylandara, betre bi | المرابع الإنوانية المار المارية المارية المارية المارية المارية المارية المارية | to the the thing of the control of t | en ir jur jamen, ig ee Tomin ir nin eeleks te Grade deeleks te Sp Cote ook ook ook eeleks | Company to the Company American to the Company of the Company to the Company | man ng ilinga ng gang ngang |
| рН | 7.35 | 7.36 | <1 | <15 | 7.0 | 7.1 | 101 | 80-120 | | |



Amer. n Environmental Testing Lat atory Inc.

2834 North Naomi Street Burbank, CA 91504 • DOHS NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

Ordered By

Yulcan Matchals Co-Calmat Div. 3200 Şan Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

8

Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client 14543 02/14/2000 VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 02152000/02152000

| Fig. 10. The first than the first t | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | - | Ţ | |
|--|--|--|---|---|--|---|--|---|---|----------------|-------------|
| Analytes the transfer of the t | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | | |
| General Chemistry | out of steel e-position of steel out early gradest affects desired to a constitution of the steel at a constitution of the steel of the | slededen in Selector 1981, Pen Gesard och 1981 den Europe deser 1981 den Europe | त्रीकृत १५ वृक्ष कर्म कर्म क्रम पुल्हाम चार्चित क्रमी क्रमी पुल्हाम चार्चित क्रमी | Pill as seeing his seeing films earlier approach films earlier approach | ्या विश्वास्त्र स्थाने स्थापना । अस्ति स्थापना । स्थापना । स्थापना । अस्ति स्थापना । स्थापना । स्थापना । स्थापना । | mit (an 17 th page traing an Z. an Textaga — E. a. agail at a Textaga an training a salarin to be en mana agail a la fagal | to a manage of the section of the se | n A Bright price grins Topy, but in capping on Experience of the grins Topy were a first grins | particle confidence | | |
| Total Suspended Solids (TSS) | 94 | 92 | 2.2 | <15 | 100.0 | 98.0 | 98 | 80-220 | 300000000000000000000000000000000000000 | 130012-1-1-1-1 | |



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Ordered By

Vulcan Materials Co. Calmat Div.
3200 San Fernando Road
Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

9

Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client 14543 02/14/2000 VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 02152000/02152000

| granten and an experience of the state of th | MS | M\$ | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|--|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes with the property of | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Calcium | 1.0 | 1.0 | 104 | 1.0 | 1.0 | 102 | 1.9 | 80-120 | <15 | |
| Lead | 1.0 | 1.0 | 100 | 1.0 | 1.0 | 100 | <1 | 80-120 | <15 | |
| Nickel | 1.0 | 1.0 | 99 | 1.0 | 1.0 | 100 | 1.0 | 80-120 | <15 | |
| Sodium | 1.0 | 1.0 | 200 | 1.0 | 1.0 | 100 | <1 | 80-120 | <15 | |
| Zinc | 1.0 | 1.0 | 99 | 1.0 | 1.0 | 102 | 3.0 | 80-120 | <15 | |

QC Batch Number: 02152000/02152000

| in the colored in table of the ingramma with place and the companion of the colored co | LCS | LCS | LCS | LCS/LCSD | | | |
|--|--------|-------|-------|----------|--|------|------|
| Analytes and the control of the cont | Concen | Recov | % REC | % Lirnit | | | |
| Calcium | 1.0 | 1.0 | 104 | 80-120 | | | |
| Load | 1.0 | 1.0 | 104 | 80-120 | | | |
| Nickel | 1.0 | 1.1 | 105 | 80-120 | | | |
| Sodium | 1.0 | 1.0 | 104 | 80-120 | | | |
| Zinc | 1.0 | 1.1 | 106 | 80-120 | | | |



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ANALYTICAL RESULTS

Ordered By

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Telephone: (323)258-2777 Attn: George Cosby

Page:

10

Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client 14543 02/14/2000 VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02212000/02212000

| sound of factors (1) and a factor is present a payor of the factor in the object the particular of the | MS | мѕ | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|--|--|--|---|--|---|---|---|--|---|--|
| Analytes for a suscent and around the first high the set is the quarter of the set of th | Сопсел | Re∞v | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| General Chemistry | ्रात् - याक्ष्यान्त्रस्य । । । त्रात्र्य क्ष्याक्ष्य । । । त्रात्र्य क्ष्याक्ष्य | threpmy behavior of the principal of the con- | to a little of it in the control of | Contral symposymmetry Charlest get drauffusy Obel of Saddroscelian fr Prost Carmona of bright | Lipper and place in the lipper in the lippe | Jetard ed gelegajoska Jetard ed gelegajoska Jetarda relativa designa di let subjeter designitati | Property of the second of the | तक पर विश्वापर श्रामान्त्र पा emilielana di agi (sepel (georgia) Feetial Ga n (ello) () Feetial Ga | The many the selection of the selection | The second of th |
| Chloride | 20.0 | 20.0 | 100 | 20.0 | 20.0 | 100 | <1 | 80-120 | <15 | |

C Batch Number: 02212000/02212000

| (a) C. C. C. C. C. C. C. C. C. C. C. C. C. | SМ | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | 1 |
|---|--------|--------|-----|---------|--------|-------|-------|----------|------|
| Analyte's "have been allowed three interesting and the com- | Result | Result | % | % Limit | Сопсел | Recov | % REC | % Limit | |
| General Chemistry and seeming the seeming | | | | | | | | | |
| Chloride | 2 | 2 | <1 | <15 | 20.0 | 20.0 | 100 | 80-120 | |



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ANALYTICAL RESULTS

Ordered By

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Page:

11

Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client 14543 02/14/2000 VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 02142000/02142000

| all the many of a might on the second magnetic section of the first between the second section of the section of the section | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | M\$/MSD | MS RPD | |
|--|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes and the content of the cont | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chemical Oxygen Demand | 50.0 | 49.0 | 98 | 50.0 | 48.5 | 97 | 1.0 | 80-120 | <15 | |

QC Batch Number: 02142000/02142000

| [per server de server de la collège que la presentation de la collège de | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | | ď. |
|--|--------|--------|-----|---------|--------|-------|-------|----------|--------|---|----|
| Analytes has been placed in many second on a state part of Analytes has been placed in the state of the second of | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | į | |
| Chemical Oxygen Demand | 12 | 11 | 8.7 | <15 | 100.0 | 101.0 | 101 | 80-120 | 21 1 E | | |



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Ordered By

| Vulcan Materials Co. Calmat Div. |
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| 3200 San Remando Road |
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Page:

12

Project Name:

Hewitt Stormwater Sampling

| AETL Job Number | Submitted - | Client |
|-----------------|-------------|--------|
| 14543 | 02/14/2000 | VULCAN |

Method: 413.1, Oil and Grease, Total Recoverable, Gravimetric, Sep. Funnel

QUALITY CONTROL REPORT

QC Batch Number: 02172000/02172000

| and a second of the control of the c | LCS | LCS | LCS | LCS/LCSD | | | | | | |
|--|--|--|--|---|---|--|--|--|---|-----------------------------------|
| Analytes are made and the control of | Concen | Recov | % REC | % Limit | | | | | | |
| General Chemistry | nedic folk in the conference of the second of the following many the second of the sec | Complete Service (Complete Complete fahr Printig and the property of the property of the property of the printigation of the property of the printigation of the property of the printigation of the pr | and the control of the second | Lightly by the Lightly Co. The history of the section of the first design by the foregoing and design by the section of the section. | are described to the beautiful to the be | होता व है। संदर्भित संस्कृत होते विकास करने के करने के के स्वत विकास विकास सम्बद्धित होते हैं। | मेंत्रे क ए क्याद्वास्त्री । भी एक प्रभा स्वाद सम्बद्धा बाह एससा साम चार संस्कृत | o a propagary do p nama orothalican distriction | ngangergae Papergae ara ara ar |
| Oil and Grease | 10.0 | 9.5 | 95 | 80-120 | | | | | <u> </u> | |



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13

Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client 14543 02/14/2000 VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC QUALITY CONTROL REPORT

QC Batch Number: 02222000/02222000

| is the control of the second o | MO | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|--|--|---|--|---|---|---|---|--|--|--|
| that is the constraint of the many of the property that the state of the constraint | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Benzene | 50.0 | 56.0 | 112 | 50.0 | 56.0 | 132 | ٧1 | 75-125 | <20 | = |
| Ethylbenzene | 50.0 | 55.0 | 110 | 50.0 | 55.0 | 110 | <1 | 75-125 | <20 | |
| Toluene (Methyl benzene) | 50.0 | 52.0 | 1.04 | 50.0 | 52.0 | 104 | <1 | 75-125 | <20 | |
| LCS | लाकनाम् । क्यान्त्रभन्। अत्यक्ति । क्षान्त्रभन्। स्वान्त्रक्ति स्वतिक्रान्तर | mileter and relative at terms (15 date to the con- detilled as (Eq. 180 (Head)) | वृत्त क्षेत्रक प्रशासक करे हैं। अंद्रेज जा स्थापक के स्कृति व्यापक कर के स्थापन तन | (34 k fings in a senious de la Salah de la 1913 de la la la la la la la la la la la la la | equiparie d'acquillié parter as lateration parquillister au monte | See E. College E. See E. There is no extend to the A Children See J. College A Children See J. College | ित्रोहर् के जिस्ता है। इस विभिन्न सम्बद्धा है। इस प्राप्ता का प्रकार की | an dig the committee of the rest than Section 1925 of the leading of the 198 | A to the display of the fill of the second o | entress to the entress of the entres |
| o-Xylene | 50.0 | 54.0 | 108 | 50.0 | 54.0 | 108 | ج1 | 75-125 | <20 | |
| m,p-Xylenes | 100.0 | 99.0 | 99 | 100.0 | 99.0 | 99 | <1 | 75-125 | <20 | |
| | | | | | | | | | | |

QC Batch Number: 02222000/02222000

| The production of the second o | LUS | LCS | LCS | LCS/LCSD | | | | | | |
|--|--|--|---|---|---|---|---|---|--|--|
| Analytes | Concen | Recov | % REC | % Limit | | | | | | |
| Benzene | 50.0 | 55.0 | 110 | 75-125 | | | | | | |
| Ethylbenzone | 50.0 | 54.0 | 108 | 75-125 | | | | | | |
| Toluene (Methyl benzene) | 50.0 | 51.0 | 102 | 75-125 | | | | | | |
| LGS | The state of the section of the sect | क्षा विकास स्थापित । क्षा स्थापित क्ष्मित्र व प्राप्त स्थापित स्थापित व प्राप्त स्थापित स्थापित स्थापित | and a support of the | ्रकृतिक व्यक्ति स्वाहित्यः विकास सम्बद्धाः स्वाहत्यः इ.स. क्षेत्राच्याः स्वाहत्यः | radion in a salas respo praedione est in bada per organistico establista rica | er no e produtto e e caracitatada e e e e e e e e e e e | မြော် (၂၉၄) ချောင်းလေခါသည်။ (၁၆၄) ချောင် (၁၉၄၂) ရာ (၁၉၄) ချောင်းသည် (၁၉၂) | Anno estate and the range part of the con- | Control Contro | Harina II dept. 1 This test and this test at a fire |
| o-Xylene | 50.0 | 53.0 | 106 | 75-125 | | | | | | |
| m,p-Xylenes | 100.0 | 97.0 | 97 | 75-125 | | | | | | |



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14

Project Name:

Hewitt Stormwater Sampling

AETL Job Number Submitted Client
14543 02/14/2000 VULCAN

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QUALITY CONTROL REPORT

QC Batch Number: 02212000/02212000

| के वर किया है। विकास के कार कार कार के किया के किया के किया के कार किया किया किया किया किया किया किया किया | | | | | | | | | | |
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| Early noticed and the management of the profit of the second of the following the second of the seco | MS | MS | MS | MS DUP | MS DUP | M\$ DUP | RPD | MS/MSD | MS RPD | |
| It is not a superior in the particular to the property of the particular of the part | Canaan | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| TPH as Diesel (C12-C23) | 25.0 | 25.0 | 200 | 25.0 | 24.0 | 96 | 4.1 | 75-125 | | |
| | | | \ | <u> </u> | | | 18 a 164 | 12,772 | 75-125 | i |

QC Batch Number: 02212000/02212000

| h amperior and the second process of the second of sold in the content of the second of second of second of the se | LCS | LCS | LCS | LCS/LCSD | | <u> </u> | |
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| TPH as Diesel (C12-C23) | 25.0 | 25.0 | 100 | 75-125 | | | |
| 1 | | | | | | | |

The street of the street

ANNUAL REPORT

FORM 3-QUARTERLY VISUAL OBSERVATIONS OF <u>UNAUTHORIZED</u> NON-STORM WATER DISCHARGES (NSWDs)

- Unauthorized NSWDs are discharges (such as wash or rinse waters) that do not meet the conditions provided in Section D (pages 5-6) of the General Permit.
- Quarterly visual observations are required to observe current and detect prior unauthorized NSWDs.
- Quarterly visual observations are required during dry weather and at all facility drainage areas.
- Each unauthorized NSWD source, impacted drainage area, and discharge location must be identified and observed.
- Unauthorized NSWDs that can not be eliminated within 90 days of observation must be reported to the Regional Board in accordance with Section A.10.e of the General Permit.
- · Make additional copies of this form as necessary.

| QUARTER: JULY-SEPT 99 | | | | May. |
|---|--|---|----------|--|
| DATE/TIME OF OBSERVATIONS AM PM | Observers Name: Company Compan | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □YES ☑MO | If YES to either question, complete reverse side. |
| DATE/TIME OF OBSERVATIONS AM PM | Observers Name: Title: | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □YES □NO | If YES to either question, complete reverse side. |
| DATE/TIME OF OBSERVATIONS AM DATE/TER: APRIL HAVE OR | Observers Name. Title: Signature: | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □YES □MO | If YES either question, complete reverse side. |
| DATE/TIME OF OBSERVATIONS H / F C : | Observers Name: Title: Signature: | WERE UNAUTHORIZED NSWDs OBSERVED? WERE THERE INDICATIONS OF PRIOR UNAUTHORIZED NSWDs? | □YES □NÓ | If YES to either question, complete reverse side. |

FORM 4-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge.

NO 🗆

YES 🗍

NO 🗆

YES []

Indicate "None" In the first column of this form If you did not conduct a monthly visual observation. Visual observations must be conducted during the first hour of discharge Make additional copies of this form as necessary. at all discharge locations. #1 Observation Date: October 3: #2 1999 #4 **Drainage Location Description** Observers Name □ P.M. P.M. 40 TA.M. ☐ P.M. Observation Time 10 ☐ A.M. ☐ A.M. P.M. P.M. □ P.M. Time Discharge Began . '.M A.M. Signature Were Pollutants Observed □ A.M. (If yes, complete reverse side) YES 🗀 NO Z YES 🗍 NO 🖂 YES 🗌 ио 🗆 YES 🗌 NO 🗆 #1 Observation Date: November) 5 #2 #3 #4 Drainage Location Description Observers Name: P.M. P.M. P.M. Observation Time QO A.M. ☐ P:M □ А.М. ☐ A.M. $\square AM$ P.M. P.M. Time Discharge Began P.M. P.M □ A.M. Signaturè≥ Were Pollutants Observed **П** А.М. $\square A.M$ YES 🔲 (If yes, complete reverse side) NO 🔀 YES 🔲 NO 🗌 YES 🔲 ио □ YES 🗌 NO I #1 Observation Date: December 1999 #2 #3 #4 Drainage Location Description Observers Name P.M. P.M. Observation Time P.M. A.M. P.M. ☐ A.M. A.M. P.M. P.M. P.M. Time Discharge Began P.M. □ A.M. ☐ A.M. Were Pollutants Observed □ A.Μ. (If yes, complete reverse side) NO 🖾 YES 🔲 YES 🔲 NO 🗆 YES 🗍 ио □ YES 🖂 NO 🗆 Observation Date: January \ 7 2000 #1 #2 #3 #4 Drainage Location Description Observers Name □ P.M. P.M. Observation Time □ P.M. (A.M. P.M. A.M. ☐ A.M. ☐ A.M. \Box P.M. P.M. Time Discharge Began BO MAM. □ P.M. ☐ A.M. Signaturé Were Pollutants Observed ☐ A.M. A.M. (If yes, complete reverse side) YES 🔲 YES 🔲 **Z**KON

1999-2000

ANNUAL REPORT FORM 4 (Continued)-MONTHLY VISUAL OBSERVATIONS OF STORM WATER DISCHARGES

- Storm water discharge visual observations are required for at least one storm event per month between October 1 and May 31.
- Visual observations must be conducted during the first hour of discharge at all discharge locations.
- Discharges of temporarily stored or contained storm water must be observed at the time of discharge. Indicate "None" in the first column of this form if you did not conduct a monthly visual observation.
- Make additional copies of this form as necessary.

| Observation Date: February <u>2000</u> | Drainage Location Description | #1 55/1 | #2 | #3 | #4 |
|---|--|---|---|---|--------------------------------|
| Observers Name: | Drainage Education Description | | | | |
| Title: | Observation Time | 9 30 X A.M. | □ P.M. : □ A.M. | P.M. : A.M. | . P.M : ☐ A.M |
| Signature: S | Time Discharge Began Were Poliutants Observed | ☐ P.M. : ☐ A.M. | P.M. | ☐ P.M. : ☐ A.M. | : [7] M |
| | (if yes, complete reverse side) | YES NO Z | YES NO | YES NO | YES NO |
| Observation Date: March 2000 | | #1 \ | #2 | #3 | #4 |
| | Drainage Location Description | 55/1 | | | , |
| Observers Name | Observation Time | 9 45 P.M. | ☐ P.M. : ☐ A.M. | □ P.M. | P.M |
| Title: Vice Tres | Time Discharge Began | 日 P.M. | | : A.M. | : A.M |
| Signature | Were Poliutants Observed (if yes, complete reverse side) | YES NO NO | : A.M. YES NO | : A.M. | : |
| | (ii yes, complete reverse side) | TO CO NO M | YES NO | YES NO | YES NO |
| | | | | | |
| Observation Date: April 2000 | | #1 | #2 | #3 | #4 |
| 1 | Drainage Location Description | 55), | #2 | #3 | #4 |
| Observers Name: | Drainage Location Description Observation Time | 7 9 P.M. | #2 | ☐ P.M. | P.M |
| Observers Name: | Observation Time Time Discharge Began | 7 9 P.M. | □ P.M. | P.M. A.M. P.M. | □ P.M : □ A.M □ P.M |
| Observers Name: | Observation Time | → P.M. → P.M. □ P.M. | ☐ P.M. : ☐ A.M. ☐ P.M. | P.M. : | : |
| Observers Name: | Observation Time Time Discharge Began Were Poilutants Observed | P.M. P.M. P.M. P.M. NO DA.M. | : | P.M. : A.M. : P.M. : A.M. : A.M. | □ P.M : □ A.M □ P.M |
| Observers Name: | Observation Time Time Discharge Began Were Poilutants Observed (If yes, complete reverse side) | P.M. P.M. P.M. P.M. | : | P.M. : | : |
| Observers Name: Title: Signature: | Observation Time Time Discharge Began Were Poilutants Observed | P.M. P.M. P.M. P.M. NO SK | P.M. A.M. A.M. P.M. A.M. | P.M. : A.M. : P.M. : A.M. : A.M. YES NO #3 | P.M A.M P.M A.M |
| Observers Name: Title: Signature: Observation Date: May 2000 Observers Name: | Observation Time Time Discharge Began Were Poilutants Observed (If yes, complete reverse side) | #1 P.M. P.M. P.M. P.M. PES NO K | #2 P.M. : | P.M. : A.M. : P.M. : A.M. : A.M. | P.M : |
| Observers Name: Title: Signature: Observation Date: May 2000 | Observation Time Time Discharge Began Were Poilutants Observed (If yes, complete reverse side) Drainage Location Description | P.M. P.M. | P.M. P.M. | P.M. : | P.M A.M P.M A.M |

SIDE

FORM 5-ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY BMP STATUS

| EVALUATION DATE: 6 / 9 / 00 | INSPECTOR NAME: Peter I | L. Chiu | TITLE: | MANAGER SIGNATURE: | Stoll S |
|--|--|--------------|--|---|--|
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) Aggregate Storage, Fueling Area, Truck Washing, Admix Storage, Maintenance Area, | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | ∏YES ⊠ NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation NONE | Describe additional/revised BMPs or corrective actions and their date(s) of implementation NONE |
| Return Concrete, RAP, Parking Area | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | ∐YES ∐NO | If yes, to elther questlon, complete the next two columns of this form | Describe deficiencies in BMPs or BMP Implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | ∏YES | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES | | | |
| POTENTIAL POLLUTANT SOURCE/INDUSTRIAL ACTIVITY AREA (as identified in your SWPPP) | HAVE ANY BMPs NOT BEEN FULLY IMPLEMENTED? | □YES □NO | If yes, to either question, complete the next two columns of this form | Describe deficiencies in BMPs or BMP implementation | Describe additional/revised BMPs or corrective actions and their date(s) of implementation |
| | ARE ADDITIONAL/REVISED BMPs NECESSARY? | YES VO | | | |



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ANALYTICAL RESULTS

Ordered By

| Vulcan Materials CoCalm | BT Div. |
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Page:

9

Project Name:

Hewitt Stormwater Sampling

| | AFTL Job Number | Submitted | diclient |
|---|-----------------|------------|----------|
| _ | 14543 | 02/14/2000 | VULCAN |

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 02152000/02152000

| the control of the co | MS I | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|--|------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes the continues of the property of the continues o | | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Lïmit | |
| Calcium | 1.0 | 1.0 | 104 | 1.0 | 1.0 | 102 | 1.9 | 80-120 | <15 | |
| Lead | 1.0 | 1.0 | 100 | 1.0 | 1.0 | 100 | <1 | 80-120 | <15 | ······································ |
| Nickel | 1.0 | 1.0 | Q Q | 1.0 | 1.0 | 100 | 1.0 | 80-120 | <15 | |
| Sodium | 1.0 | 1.0 | 200 | 1.0 | 1.0 | 100 | <1, | 80-120 | <15 | |
| ~inc | 1.0 | 1.0 | 99 | 1.0 | 1.0 | 102 | 3.0 | 80-120 | <15 | |

QC Batch Number: 02152000/02152000

| and the strong colored designation of the strong problems of the str | LCS | LCS | LCS | LCS/LCSD | | T | | | |
|--|--------|-------|-------|----------|---------------------------------------|---|--|----------|--|
| Analytes to the second of the Alexander | Concen | Recov | % REC | % Limit | | | | | |
| Calcium | 1.0 | 1.0 | 104 | 80-120 | | | | | |
| Load | 1,0 | 1.0 | 104 | 80-120 | | | | | |
| Nickel | 1.0 | 1.1 | 105 | 80-120 | | | | | |
| Sodium | 1.0 | 1.0 | 104 | 80-120 | | | | <u> </u> | |
| Zinc | 1.0 | 1.1 | 106 | 80-120 | · · · · · · · · · · · · · · · · · · · | | | | |



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ANALYTICAL RESULTS

Ordered By

Yulcan Matchals Co-Calmat Div. 3200 San Fernando Road Eos Angeles CA-90065

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Page:

8

Project Name:

Hewitt Stormwater Sampling

| AETL Job Number | Submitted: | Client |
|-----------------|------------|--------|
| 14543 | 02/14/2000 | VULCAN |

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 02152000/02152000

| The state of the s | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | |
|--|---|--|--|----------------------|--|-------|-------------------------------|--|----------------|-------------------|
| Analytes and the second process of the secon | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
| General Chemistry | cal distribution (1982) should chi to me standing alternative (1994) are a figural bandhaga at the alexander of the manufacture. | क्ष्मित्रस्थित्। (स्वास्त्रस्थाः स्वासी स्थापने विकासन्य स्थापने स्वास्त्रस्थाः स्वासी स्थापने स्वासी स्वास्त्रस्थाः | લો કહે છે. કું કું કું મુખ્યું મુખ્યું એ કું કું કું મુખ્યું મુખ્ય કું મુખ્યું મુખ્યું મુખ્યું મુખ્યું મુખ્યું મુખ્યું મુખ્યું મુખ્યું મુખ્યું મુખ્યું મુખ્યું મુખ્યું મુખ્ય | li am amban a an all | and the second s | (| to it sported at statement in | u fide gi qipipi ika gi mi 1925 parte shqirilgi ar t 1936 kilar ti qili gi gal 1 Engrada (Shpirilaye) | MEDICAL COLUMN | ARREST CONTRACTOR |
| Total Suspended Solids (TSS) | 94 | 92 | 2.2 | <15 | 100.0 | 98.0 | 98 | 80-120 | | |



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Ordered By

| Viilcan Materials Co | -Calmar Div |
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| | |
| Los Angeles, CA 900 | 165 de transfer de la companya del companya del companya de la com |

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Page:

7

Project Name:

Hewitt Stormwater Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 14543 | 02/14/2000 | VULCAN |

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02142000/02142000

| 4) Kamand Delegar page species of the control of | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | | |
|--|--|---|---|--|---|--|--|--|--|----------|
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| рН | 7.35 | 7.36 | <1 | <15 | 7.0 | 7.1 | 101 | 80-120 | | <u> </u> |



Ame. In Environmental Testing Lauratory Inc.

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ANALYTICAL RESULTS

Ordered By

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Page:

6

Project Name:

Hewitt Stormwater Sampling

| AETI Job Number | Sub | mit | te | Liji | Client |
|-----------------|-----|-----|----|------|--------|
| 14543 | 02/ | 14/ | 20 | 00 | VULCAN |

Method: 120.1, Conductance, Specific Conductance (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 02142000/02142000

| (a. 2) Conference I II follower II a conf Buller begind september 31 fleg about one fact operated by a proposition of contract one requirement of a proposition of proposition of a contract of the conference of | SM | SM DUP | RPD | \$M RPD | LC\$ | LC\$ | LCS | LCS/LCSD | | |
|--|--|---|--|---|--|--|--|--|--------------------|---------------|
| ANALYSES THE RESERVE OF THE PROPERTY OF THE PR | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | | |
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| Specific conductance | 254 | 254 | <1 | <15 | 1413.0 | 1398.9 | ୭୨ | 80-120 | | |



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| Job Number | Forder:Date | Client |
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| 14543 | 02/14/2000 | VULCAN |

Project Name: Hewitt Stormwater Sampling

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Sullay Approved By: ____

Cyrus Razmara, Ph.D. Laboratory Director



Chlorobenzene

American Environmental Testing Laboratory Inc.

and the property of the proper

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ANALYTICAL RESULTS

| Ordered by | can Materials CoCalmat Div. O San Fernando Road Angeles, CA 90065-5 ephone: (323)258-2777 a: George Cosby e: 12 | | | | | | |
|------------------|--|---------------------|----------|-------|------------|------------|-------|
| Vulcan Materials | CoCalmat Div. | | Hewitt/C | almat | Self-Stora | Qe . | |
| 3200 San Fernand | io Road | | | | | 0 - | |
| Los Angeles, CA | 90065-5 | | | | | | |
| - | • | | | | | | |
| Atm. Geor | ge Cosby | | | | | | * |
| Page: | 12 | | | | | | |
| | | | AETL | Job : | Number | Submitted | Clien |
| Project Name: | Hewitt Storm water | | | 1523 | 0 | 04/17/2000 | VULCA |
| | Method: M8015D, | TPH as Diesel and H | leavy F | IC (C | 12-C40) | | |
| Our Lab I.D. | - | AE72346 | 0 | • | T | | |
| Surrogates | Con.Limit | & Pag | | | | | |

QUALITY CONTROL REPORT

110

75-125

QC Batch Number: 04182000/04182000

| | MS | MS | MS | MS DUP | MS DUP | M\$ DUP | RPD | MS/MSD | MS RPD | |
|-------------------------|--------|-------|-------|--------|--------|---------|-----|---------|---------|---------|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | 9-2-2-2 |
| TPH as Diesel (C12-C23) | 25.0 | 24.3 | 96 | 25.0 | 23.5 | 92 | 4.3 | 75-125 | 75-125 | |

QC Batch Number: 04182000/04182000

| | LCS | LCS | LCS | LCS/LCSD | | | |
|-------------------------|--------|-------|-------|----------|--|--|--------|
| Analytes | Concen | Recov | % REC | % Limit | | | } ! |
| TPH as Diesel (C12-C23) | 25.0 | 23.8 | 96 | 75-125 | | | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co: Calmat Div 3200 San Fernando Road Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

5

Project Name:

Hewitt Stormwater Sampling

| - | AETL Job Number | Submitted: | . Client |
|---|-----------------|------------|----------|
| | 14543 | 02/14/2000 | VULCAN |

Method: M8015D, TPH as Diesel and Heavy HC (C12-C40)

QC Batch Number: 02212000/02212000

| Our Lab LD | and the special control of the special contro | ति । विभिन्न विश्वत वा ति विश्वत का है। वर्ष के वर्ष कि विश्वति की विश्वत का है। वर्ष के वर्ष की विश्वति की विश्वति का है। | ्रिक्सिके संभवने द्वार स्थाप स्थाप है पहुंचा है पहुंचा इस्ति । विद्वार के विकास है कि का अपना स्थाप अपना है कि कि कि कि कि कि कि कि कि कि कि कि कि | AE69585 | Bodel after a proclamation of a factor of the factor of th | त्री अंतर्गता विकास स्थापन होता है। ने प्रमुख्या कर्मा क्षेत्र के स्थापन स्थापन स्थापन स्थापन स्थापन | He was programmed as |
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| Date Sampled | | | 02/12/2000 | 02/12/2000 | | | |
| Date Prepared | | | 02/21/2000 | 02/21/2000 | | | |
| Preparation Method | | | 3510C | 3510C | | | |
| Date Analyzed | | | 02/22/2000 | 02/22/2000 | | | |
| Matrix | | | Aqueous | Aqueous | | | |
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| Pilution Factor | | | 1 | 1 | | 2.1 | 1.00 |
| alypes | MDL destable | POLICE | Results | Results | of the first transfer on the general transfer of the first transfe | The filling of the state of the | Sing Code Tripials Anna Sing Sing Sing The Shandar and Sing |
| TPH as Diesel (C12-C23) | 0.1 | 0.5 | ND | ND | 01 - 1 (-1) (-1-1) HINES A | Contracted at American at 16 at 1 | de intoles at the co |
| TPH as Heavy Hydrocarbons (C23+) | 0.1 | 0.5 | MD | ND | | | |
| TPH Total as Diesel and Heavy HC.C12-C40 | 0.1 | 0.5 | DU | מא | | | |

| Our Lab I.D | and the second of the second o | The property of the second of | onto compositional composition of the composition o | AE69585 | consists finite dependent in the lead in the consists of the c | The control of the co | Pergolative pro- plements of the state of Search the state |
|---------------|--|--|--|---------|--|--|--|
| Surrogates | Con Limit | there is a first in a party of common the party of the pa | % Rec. | % Rec. | "In the dependence of the second of the seco | Henry Brown Callering and Company of the Company of | of white per a constraint of the second of t |
| Chlorobenzene | 75-125 | | 104 | 96 | | | |



Amei .n Environmental Testing Lai .atory Inc.

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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co - Calmat Div.
3200 San Fernando Road - Los Angeles, CA 90065

Telephone: (323)258-2777 Attn: George Cosby

Page:

4

Project Name:

Hewitt Stormwater Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 14543 | 02/14/2000 | VULCAN |

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

QC Batch Number: 02222000/02222000

| Our Lab I D | Beggingen meg, god stap Capping on Silven digital tropic top dispersion silven dispersion to make it to properly Data transport to are standard | per a contract on the contract per the contract per per per per per per per per per per | and a start stop, at the set the set of the | AE69585 | h et Contratropal properties staple. P. Contrata properties of properties of pro- porties of properties of the staple pro- sent of a contratropal pro- | ent for the property of the pr | The Tool of State of the Common of the Commo |
|--|--|---|---|------------|---|--|--|
| Client Sample I.D. | | | Method Blank | | | | |
| Date Sampled | | | 02/12/2000 | 02/12/2000 | | | |
| Date Prepared | | | 02/22/2000 | 02/22/2000 | | | |
| Preparation Method | | | 5030B | 5030B | | | |
| Date Analyzed | | | 02/22/2000 | 02/22/2000 | | | |
| Matrix | | | Aqueous | Aqueous | | | |
| Units | | | ug/L | ug/L | | | |
| Dilution Factor | | | 1 | 1 | | | 15 |
| At 11 Page 1997 to the control of th | MDL | POL | Results | Results | of green the mean or green gives to provi the control of green and provided as to mean the property of the control that the control of green and the control | the transfer of the problem of the p | APRIME COMPANY SOURCE SECTION OF |
| Benzene | 0.25 | 0.50 | ND | ND | | | |
| Ethylbenzene | 0.25 | 0.50 | αIX | ND | | | |
| Tolucne (Methyl benzene) | 0.25 | 0.50 | ND . | MD | | | |
| Xylenes (Total) | 0.50 | 1.00 | ND | ND | | | |
| TPH as Gasoline and Light HC. (C4-C12) | 5.0 | 10.0 | йD | NID | | | |

| Our Lab (D | the same of the sa | reperturbe to the pro- | Top of the intellegation of the sect | -AE69585 | The graph and the state and the first and the first of the state and the | er de la compania del compania de la compania de la compania del compania de la compania de la compania de la compania de la compania de la compania de la compania del compania de | Balan Sanaga a Balan Sanaga a Geografia Sergia a Balan a Balanga |
|--------------------|--|--|--|------------------------|--|---|--|
| Surrogates | Con Timir | 61-01-51-11-11-11-11-11-11-11-11-11-11-11-11 | 創奏の海宮書師助也 | PROPERTY AND TO BE THE | ent out for the first for the first out of the control of the first out of | i principa programa di principa di se Al mentione di Seri, programa di man Semente programa di Senting di man Managana di Seria di Managana di managan | half to project to the control of th |
| Bromofluorobenzene | 75-125 | | 98 | 108 | | | |
| Trifluorotoluene | 75-125 | | 209 | 103 | | | |



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ANALYTICAL RESULTS

Ordered By

General Chemistry
Oil and Grease

Vulcan Materials Co - Calmat Div. 3200 San Fernando Road Los Angeles CA 90065

413.1

rrig/L

Telephone: (323)258-2777 Attn: George Cosby

Page

3

| * 0.4 | | | | AET | L Job Num | ber: Sul | mitted. | Client |
|-------------------------|--|--|--|---|--|---|---|--|
| Project Name: Hewitt St | ormwater | Sampling | r | | 14543 | | 14/2000 | VULCAN |
| Our Lab A.P. College | property or establish delical there are to the purpose of an earliest 1861 for the property of an earliest 1861 for | about his helica a had a sala had Brand ta and a chair a tha pharmach Brand ta and a chair a shared aparas | ner olkståde vid de i ben pe sken olg strat i s e pe, mi strat, de span tig ig olksy i die er pr efter pe og bet pt. regione in i element de tid. | n e de d'u d'ebendadad pe de de Leggerpana d'ed peppe d'a d'a Nord per de deserva e d'a deserva | n kelintaka ika sebagai pinaken Pinaken kelintaka in masa Pinake Pinaken abiji melaken kenasa | alabyl selling play be appeared in 1 that of the second and a recommenda- 1 to the second in the program of the second and the second and a second | -AE69585 | |
| Client Sample I.D. | THE RESERVE OF THE PROPERTY. | 135-10-114 (15-15-1 | The state of the s | The tell of House street state | H State of Million State of the State of | Method Blank | OF-001 | Facilities to 1 |
| Date Sampled | | | | | | 02/12/2000 | | |
| Matrix | | | | | - | Aqueous | Aqueous | |
| | Method | | MDL | PQL | Analyzed | Results | Results | er i heigh ben. Neis i bens i h |
| General Chemistry | the transfer of the transfer o | de Baltime's a see a a Bergil ener I amen, mair a agric date Tabar, Tjannelaler are | | | The state of the s | togs, Popular posts of posts of | 門の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の | 10 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| pH | 150.1 | pH unit | 0.01 | 0.01 | 02/14/2000 | N/A | 7.08 | ali in jania |
| Calcium | 200.7 | mg/L | 0.25 | 0.50 | 02/16/2000 | ND | 5.3 | |
| Lead | 200.7 | mg/L | 0.05 | 0.10 | 02/15/2000 | ממ | ND | |
| Nickel | 200.7 | mg/L | 0.01 | 0.05 | 02/16/2000 | ND | MD | |
| ndium | 200.7 | mg/L | 0.25 | 0.50 | 02/16/2000 | NTD . | 2.1 | |
| Zinc | 200.7 | mg/L | 0.01 | 0.05 | 02/16/2000 | ND | ND | |
| Chemical Oxygen Demand | 410.4 | mg/L | 10 | 10 | 02/14/2000 | ND | 20 | |

02/17/2000

MD

MD



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ANALYTICAL RESULTS

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Page

2

AETL Job Number Submitted Client 14543 02/14/2000 VULCAN

| ormwater | Sampling | | | 14543 | 02/ | 14/2000 | VULCAN |
|--|--|--|--|--|--|--|--|
| engence of a president standard of the secon | րագրությանը հարցոր դաժաների հերի հերինին հ Հրաժայությունների հերին ֆիրաբիրինի որ համաժություն | այուն է այդ արդայի բանակում Հերակար իշկանի հատակի բանական Հերակար իշկանի հատակի բանական | nelador (* produces en la Bester) 1 de la lagador (hebre 11 de 12) 1 de la lagador (hebre 12) | The second of the second secon | The factor of the control of the con | AB69585 | name nerve p the the sea male of the first race |
| | | | | 10 N 10 N 10 N | | | |
| | | | | = -= - | 02/12/2000 | 02/12/2000 | |
| | | | | | Aqueous | Aqueous | |
| Method | Units | | POLICE | Analyzed | Results | Results | The second second |
| the property of the property o | the Hilliam control of the section of the control o | निवा करा कि है जन्म को भारत के करा स्कृतिक कहे के बीता को का कि के बहुत कि को कि वास्त्र के का का की कि | The althoughter as the anti- cies as apalagan pears beautiful althought in selection in a con- | प्रता है से कि एक क्षेत्र के लिए के हैं को ए एकी क्षेत्र के प्रता के कि एक को ए एकी क्षेत्र के प्रता के कि एक का क्षेत्र के कि की की कि कि कि की | production of the lamesta. No type of the state of the s | I als des griped de free, 20, 1 th, pole al technique emperental passes rea- ache bettechnique (fraefe (fraefe), 3 | All and the last the second of |
| 120.1 | umhos/cm | 5.0 | | 02/14/2000 | מא | 85 | |
| ्रिक्त के तथा का क्षाप्त है। विकास के सम्बद्ध हैं जो कि विकास के स्थाप विकास के स्थाप का का कि को कि विकास के स्थाप | politique to process and a first term of the later of the | ի հայրը հրականին հայարդարին հուրագրական հուրակա | Art shedding part of the billion of | and the property of the second | per if, the great general for it? per entre alternation and them is a great property of the period of the | apade of the late to the entropy of the control of | aria, maga Najago (desigle) Apparamara de e |
| 160.2 | rng/L | 5.0 | 10.0 | 02/15/2000 | ND | 25 | |
| in the process of the | Har Charles and Arthred ages | To proper the second section of the second section of the second section of the second section of the second secon | د فلکار در الطمو وسیطیر و ورد دیا ای کافر در از ۱۹ سرا ۱۹ در دود افر راها ۱ در در بسیمیر از ۱۹ سرون | stelle ming, dan opplitigation. Software of appearing Liberaria 20 ft Eulerine talence are onto | remaining to the first of the control of the contro | skie de jame de skap inglêt om doch in 1915 – offisiele Di propograve i meh megrejom R. i. Religio (1941–2015) | (to dill behave all er a (to dill behave all er a tip on both |
| 325.3 | mg/L | 0.5 | 1.0 | 02/21/2000 | ND | 2.0 | |
| ت اللادو و الله الدونية و وهورسد 1 الله الالدوم في مدرسية عد الله الله و الله الله الله الله الله ال | विभिन्न देवाचा । स्टब्स्ट्रास करणा पूर्वाच्या करिल्लाका स्थापन स्थापन करणा पूर्वाच्याच्या करणा स्थापन स्थापन | र्वार है के लिए एक है। विहास स्टाह ब्राह्म कर है कि जिल्ला कर के लेखी जैते क्रिक्ट कर है के लिए कर के लेखी जैते | or property of the control of the co | ्रात्त प्रित्त को अने हैं अध्यक्ति प्रति के प्रति के स्वानी प्राप्त के क्षेत्र को असे हैंसी, प्राप्ति के के कि एक प्रति के प्रति के | ा । मार्चित हो हो है है है है है है है है है है है है है | Manual de de la companya de la compa | 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |
| 405.1 | rng/L | 5.0 | 5.0 | 02/19/2000 | MD | סמ | |
| | 120.1 160.2 325.3 | Method Units 120.1 umhos/cm 160.2 mg/L 325.3 mg/L | Mathod Units MDL 120.1 umhos/cm 5.0 160.2 mg/L 5.0 | Mathod Units MpL POL 120.1 umhos/cm 5.0 10.0 160.2 mg/L 5.0 10.0 10.0 10.0 10.0 10.0 10.0 10.0 | Mathad Units MDL POL Analyzed 120.1 umhos/cm 5.0 10.0 02/14/2000 160.2 mg/L 5.0 10.0 02/15/2000 325.3 mg/L 0.5 1.0 02/21/2000 | Method Blank 02/12/2000 Aqueous Method Units MDL POL Analyzed Results 120.1 umhos/cm 5.0 10.0 02/14/2000 ND 160.2 mg/L 5.0 10.0 02/15/2000 ND 325.3 mg/L 0.5 1.0 02/21/2000 ND | Method Blank OP-001 O2/12/2000 O2/12 |



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ANALYTICAL RESULTS

Ordered By

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Page

2

Project Name: Hewitt Stormwater Sampling

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 14543 | 02/14/2000 | VULCAN |

| Project Name: Hewitt Sto | ormwater | Sampling | | | 14543 | 02/ | 14/2000 | VULCAN |
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| Our Lab I Dank and a second | all and recording to the probability of the state of the | and property becomes applicable to a company of a applicable applicable to the particle of a applicable applicable to the particle of a com- | of the contract of the contrac | e particular de la companya de la co | on the continues and so the continues of | many and property of the control of | AR69585 | nake news Sommerses One of the |
| Client Sample I.D. | | | | | | Method Blank | | 1.00x 1.00x 271 |
| Date Sampled | | | | | | 02/12/2000 | 02/12/2000 | |
| Matrix | | | | | | Aqueous | Aqueous | |
| | Method | | | POL | Analyzed | Results | Results | to produce the |
| General Chemistry | the to the south, the colores state it | to history one trong the markets and taken the markets of the mark | allage gave that I all all as easy region data managed for an explanation of property from a call the allege of an explanation of the pro- | र १ प्रमुख्य कर्मा है। यह उसमा मुक्ति है। इसमा क्षेत्र क्षेत्र क्षेत्र क्षेत्र कर्मा कर्मा कर्मा इसमा क्षेत्र क्षेत्र क्षेत्र क्षेत्र क्षेत्र क्षेत्र कर्मा क्षेत्र क्षेत्र क्षेत्र कर्मा क्षेत्र क्षेत्र क्षेत्र | the man is a first the second of the second | 7.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1 | tar itr ber um angeffte der, De neme | re sier. I |
| Specific conductance | 120.1 | umhos/cm | 5.0 | 10.0 | 02/14/2000 | ND | 85 | |
| General Chemistry | A STATE OF THE PARTY OF THE PAR | Single in the control of the second | i hinger eglessiffenskabsplotsfor ennspalsetelsman myngen eten fli en geogra och den nammen ete flim | Control and the part of the control | (2004), hij njografinski dir bod (2014) 1931 japa 1935 jan i historiak dost ili 2014 japa japa (2004), hij historiak 2014 japa japa (2004), hij historiak 2014 japa japa (2004), hij historiak | post has a state of sprimers has all the property of the state of the | Andread Street, A. 77, 199 Street, A. Hartenberg, Marchalton, A. S. Hartenberg, A. S | policy marging of a community of the com |
| Total Suspended Solids (TSS) | 160.2 | - mg/L | 5-0 | 10.0 | 02/15/2000 | ND | 25 | , |
| neral-Chemistry | to the management of the second of the secon | Carte | The state of the s | das and belommers de as y page as e the hear belom to be the section of the hear belom to the term of the section of | - 11th tains change in taging to b. - 15 fb m de at tig back to the back den 27 ft E TE de Athendie in 2 20 de a | The state of the s | the design products for any color (1) the colorate in principal to the part date that have been a factors | Fall (Fig. co. dr.) Salt (Fig. co. dr.) Salt (Fig. co. dr.) |
| ebnoln | 325.3 | mg/L | 0.5 | | 02/21/2000 | ND | 2.0 | |
| General Chemistry | eging of the calling to place as the calling of the calling to place as the calling of the calli | and and the analysis of the second se | to the control of the period above the series of the serie | to proportion to the form of the service of the proportion of the proportion of the service of t | The state of the s | programment of the section of the se | | m of appropriate of the particular of the partic |
| Biochemical Oxygen Demand (BOD) | 405.1 | mg/L | 5.0 | 5.0 | 02/19/2000 | ŒИ | מא | |



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|-----------|----------|------|--------|----|
| | 11/15/97 | | | 1 |
| | 14513 | | (| 1 |
| AFTL JOB# | 11-1- | PAGE | _1 OF_ | _\ |

| ARDRA | | 1. (4 | | CHAIN OF CUSTODY RECORD | | | | | | | | | ANALYSIS REQUESTED | | | | | | | | | |
|-----------------|-----------------------------------|----------|-------------------|-------------------------|----------------|----------------|--------------|----------|----------------|--------------|---------------|------------|--------------------|-------|-----------|-------|------|------|------|-------------|---------|---------|
| CLIENT: | matea 11 Cam Ita | tustics | - Calma | of Division | on | TELEP FA | HONE | : 32 | 3- <i>2</i> . | 58-277 | 7 | | | Tolar | \int | 10/20 | 70 | 7/ | 77 | 7 | 1 | |
| ADDRESS: /2 | 3200 Sam os Angele George (| 1 Fernan | ido Rd | <u>,</u> | | *** | | | | | / | /\$ | Hot | | | | 7 | | /, | // | // | |
| SITE: | os Angele | s Ca | 00 | 065 | -1 | | | | | | _/: | 8/\ 8/. | | ¥\$ | vi/ - | 4 | ð, | / / | / / | | | / |
| CONTACT PERSON: | · George | Cosloy | PROJEC NAME: (| T HEWITT | 1012 1707 | 'ጠ <u>ዴ</u> | PROJ NUMB | ER: | ···· | | \[\frac{1}{2} | <u>ي د</u> | | 17 | <u>/U</u> | | 1 | 1 | | \bigwedge | | |
| SAMPLE ID | LAB ID | DATE | TIME | CONTAINER SIZE/TYPE | | SAN WATER | | | отнея | PRES. | | | | | | | | | | | | REMARKS |
| 0F-001 | AE67585 | 2-12-00 | 1040 | 上土 | | | | | | | V | | | | | | | | | | | |
| / | | (| | 125 Lt. | | V | | | | | | | | | 1 | | | | | | | |
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| Collected By: | Atens 4- | Mr | <u> </u> | ate 2-12-0 | 0 | Time | 040 | | | | Dhe | 4. | U | lr | سا | , | Date | 3 Q· | -14- | ÜÜ | Tim | · 0900 |
| Relinqui ' | W. X Celle | 13 Mm | D; | ate 2-14-0 |) ₀ | Time _ | -1 , d | Re Fo | ceive r Lab | d oratory | K. | 分 | ۲, | | | | | | 14/ | | Tim | 8 0900 |
| Turn Around | Time \ | | JX No | ormal | П | Rush | | | | ٠ د | | • | | | , | _ | | | | | ,,,,,,, | |

ATTACHMENT SUMMARY

| Answer the questions below to help you determine what should be at Applicable) to questions 2-4 if you are not required to provide those a | tached to this annu ttachments. | al report. Answe | er NA (Not |
|--|--|--|--|
| 1. Have you attached Forms 1,2,3,4, and 5 or their equivalent? | XXXXX YES (N | landatory) | |
| 2. If you conducted sampling and analysis, have you attached the laboratory analytical reports? | XXXXX YES | ☐ NO | ☐ NA |
| 3. If you checked box II, III, IV, or V in item D.2 of this Annual Report, have you attached the first page of the appropriate certifications? | YES | NO NO | XXXX NA |
| Have you attached an explanation for each "NO" answer in items E.1, E.2, E.5-E.7, E.9, E.10.c, F.1.b, F.2.a, F.2.c, G.1, H.1-H.7, or J? | XXXXX YES | □ NO | NA NA |
| ANNUAL REPORT CERTIFICATION | | | |
| I am duly authorized to sign reports required by the INDUSTRIA PERMIT (see Standard Provision C.9) and I certify under penalty were prepared under my direction or supervision in accordance personnel properly gather and evaluate the information submitted who manage the system, or those person directly responsible for submitted is, to the best of my knowledge and belief, true, accurating significant penalties for submitting false information, including the violations. | y of law that this on with a system dest d. Based on my in r gathering the inf ate and complete. | locument and a signed to ensur- nquiry of the peo ormation, the ir I am aware th | all attachments that qualified erson or persons offormation |
| Printed Name: Peter Chiu | | | |
| Signature: | | Date: <u>June 2</u> | 6, 2000 |
| Title: MANAGER, ENVIRONMENTAL AFFAIRS | | | |
| | | | |

| | The following records should be reviewed: | | | |
|------------|---|--|--|-----------------------------------|
| | quarterly authorized non-storm water discharge visual observations monthly storm water discharge visual observation records of spills/leaks and associated clean-up/response activities | water dischar Sampling and | uthorized non-storm ge visual observatio I Analysis records maintenance inspect ance records | |
| 5. | Have you reviewed the major elements of the SWPPP compliance with the General Permit? | to assure | XXXXXX YES | NO |
| | The following SWPPP items should be reviewed: | | | |
| | pollution prevention team list of significant materials description of potential pollutant sources | identification : | of potential pollutant and description of th for each potential po | e BMPs to be |
| 6. | Have you reviewed your SWPPP to assure that a) the in reducing or preventing pollutants in storm water discinon-storm water discharges, and b) the BMPs are being | harges and authorized: | XXXXXX YES | NO |
| | The following BMP categories should be reviewed: | | | |
| | good housekeeping practices spill response employee training erosion control quality assurance | • | | actices |
| 7. | Has all material handling equipment and equipment no implement the SWPPP been inspected? | eded to | XXXXX YES | NO |
| AC: | SCE EVALUATION REPORT | | | |
| The | facility operator is required to provide an evaluation rep | ort that includes: | | |
| • | identification of personnel performing the evaluation the date(s) of the evaluation necessary SWPPP revisions | schedule for iany incidentsactions taken | implementing SWPP of non-compliance a | P revisions and the corrective |
| Use | e Form 5 to report the results of your evaluation or devel | op an equivalent form. | | |
| <u>AC</u> | SCE CERTIFICATION | | | |
| The cer | e facility operator is required to certify compliance with th tify compliance, both the SWPPP and Monitoring Progra | e Industrial Activities S n must be up to date a | torm Water General and be fully implemen | Permit. To nted. |
| Bas Act | sed upon your ACSCE, do you certify compliance with th ivities Storm Water General Permit? | e Industrial | YES | NO |

1.

J.

If you answered "NO" attach an explanation to the ACSCE Evaluation Report why you are not in compliance with the Industrial Activities Storm Water General Permit.



2834 North Naomi Street Burbank, CA 91504 - DOH\$ NO: 1541, LACSD NO: 10181 Tel: (888) 288-AETL • (818) 845-8200 • Fax: (818) 845-8840

ANALYTICAL RESULTS

Site

Hewitt/Calmat Self-Storage

| Ordered By | |
|--------------------------------|--|
| Vulcan Materials CoCalmat Div. | |
| 3200 San Fernando Pond | |

Los Angeles, CA 90065-5

Telephone: (323)258-2777 Attn: George Cosby

Page:

11

Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 602/M8015G, Aromatic Volatile Organics, TPH Gasoline and Light HC by GC

| | AE72340 | |
|-----------|---------|------------------------------|
| Con.Limit | % Rec. | |
| 75-125 | 97 | |
| 75-125 | 101 | |
| | 75-125 | Con.Limit % Rec. 75-125 97 |

QUALITY CONTROL REPORT

Batch Number: 04272000/04272000

| | | r | | Υ | r | , | | | |
|--------------------------|--------|-------|-------|--------|--------|--------|------|---------|---------|
| | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD |
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit |
| Benzene | 50.0 | 50.0 | 100 | 50.0 | 53.0 | 106 | 5.8 | 75-125 | <20 |
| Ethylbenzene | 50.0 | 57.0 | 114 | 50.0 | 54.0 | 108 | 5.4 | 75-125 | ≺20 |
| Toluene (Methyl benzene) | 50.0 | 47.0 | 94 | 50.0 | 47.0 | 94 | <1 | 75-125 | <20 |
| LCS | | | | | | | | | |
| o-Xylene | 50.0 | 49.0 | 98 | 50.0 | 47.0 | 94 | 4.2 | 75-125 | <20 |
| m,p-Xylenes | 100.0 | 93.0 | 93 | 100.0 | 80.0 | 80 | 15.0 | 75-125 | <20 |

QC Batch Number: 04272000/04272000

| | LCS | LCS | LCS | LCS/LCSD | | | | |
|--------------------------|--------|-------|-------|----------|--|--|--------------|--|
| Analytes | Concen | Recov | % REC | % Limit | | | | |
| Benzene | 50.0 | 47.0 | 94 | 75-125 | | | | |
| Ethylbenzene | 50.0 | 53.0 | 106 | 75-125 | | | | |
| Tolucne (Methyl benzene) | 50.0 | 46.0 | 92 | 75-125 | | ······································ | | |
| LCS | · . | | | | | | | |
| o-Xylene | 50.0 | 48.0 | 96 | 75-125 | | | | |
| m,p-Xylenes | 100.0 | 85.0 | 85 | 75-125 | | | | |

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ANALYTICAL RESULTS

| Ordered By | Site | | | | |
|--------------------------------|----------------------------|--|--|--|--|
| Vulcan Materials CoCalmat Div. | Hewitt/Calmat Self-Storage | | | | |
| 3200 San Fernando Road | | | | | |
| Los Angeles, CA 90065-5 | | | | | |
| | | | | | |

Telephone: (323)258-2777 Attn: George Cosby

Page:

10

Project Name:

Hewitt Storm water

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Method: 413.1, Oil and Grease, Total Recoverable, Gravimetric, Sep. Funnel QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

| | LCS | LCS | LCS | LCS/LCSD | | | | |
|----------------|--------|-------|-------|----------|--|----|---|--|
| Analytes | Concen | Recov | % REC | ì | | 10 | ļ | |
| Oil and Grease | 10.0 | 10.6 | 106 | 80-120 | | | | |



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ANALYTICAL RESULTS

| Ordered By | | | |
|---------------------------|------|---|--|
| Vulcan Materials CoCalmat | Div. | | |
| 3200 San Fernando Road | | | |
| Los Angeles, CA 90065-5 | | • | |

Site
Hewitt/Calmat Self-Storage

CONTRACTOR OF THE PROPERTY OF

Telephone: (323)258-2777 Attn: George Cosby

Page:

9

Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 410.4, Chemical Oxygen Demand, Colorimetric, (EPA/600/R-93-100)

QUALITY CONTROL REPORT

QC Batch Number: 04212000/04212000

| | MS | MS | M\$ | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|------------------------|--------|-------|-------|--------|--------|--------|-----|---------|---------|--|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | |
| Chemical Oxygen Demand | 100.0 | 96.0 | 96 | 100.0 | 94.0 | 94 | 2.1 | 80-120 | <15 | |

Batch Number: 04212000/04212000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|------------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Chemical Oxygen Demand | 48 | 4.8 | <1 | <15 | 100.0 | 93.0 | 93 | 80-120 | |



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ANALYTICAL RESULTS

| Ordered By | |
|--------------------------------|--|
| Vulcan Materials CoCalmat Div. | |
| 3200 San Fernando Road | |
| Los Angeles, CA 90065-5 | |

| 2 | | | |
|---|---------------------------|----------------|--|
| H | ewitt/Calmat Self-Storage | + <i>t</i> + + | |
| - | | | |
| | | | |

Telephone: (323)258-2777 Attn: George Cosby

Page:

8

Project Name:

Hewitt Storm water

| AETL Job Number | Submitted | Client |
|-----------------|------------|--------|
| 15230 | 04/17/2000 | VULCAN |

Method: 405.1, Biochemical Oxygen Demand, 5 days, 20C (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|---------------------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Llmit | Concen | Recov | % REC | % Limit | |
| Biochemical Oxygen Demand (BOD) | 12 | 12 | <1 | <15 | 200.0 | 190.0 | 95 | 80-120 | |



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ANALYTICAL RESULTS

Site

Hewitt/Calmat Self-Storage

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065-5

Telephone: (323)258-2777 Attn: George Cosby

Page:

7

Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 325.3, Chloride, Titrimetric, Mercuric Nitrate (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04182000/04182000

| - 1 | | | | | | | | | | | | |
|-----|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|-----|---|
| İ | Amatin | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | T . | 7 |
| 1 | Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | 1 | |
| Į | Chloride | 20.0 | 20.0 | 100 | 20.0 | 20.0 | 100 | <1 | 80-120 | <15 < | | |
| | | | | | | | | | | | i l | ſ |

Batch Number: 04182000/04182000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes Chloride | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Chloride | 276 | 276 | <1 | <15 | 20.0 | 20.0 | 100 | 80-120 | |



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ANALYTICAL RESULTS

| Orde | pered | By |
|------|-------|----|
| | | |

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Hewitt/Calmat Self-Storage

Atm:

Telephone: (323)258-2777 George Cosby

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Project Name:

Hewitt Storm water

ABTL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 200.7, Metals (Ca,Pb,Ni,Na,Zn)

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

| · | MS | MS | MS | MS DUP | MS DUP | MS DUP | RPD | MS/MSD | MS RPD | |
|----------|--------|-------|-------|--------|--------|--------|-----|---------|---------|----|
| Analytes | Concen | Recov | % REC | Concen | Recov | % REC | % | % Limit | % Limit | 11 |
| Calcium | 1.0 | 0.9 | 93 | 1.0 | 0.9 | 93 | <1 | 80-120 | <15 | |
| Lead | 1.0 | 1.0 | 99 | 1.0 | 1.0 | 100 | 1.0 | 80-120 | <15 | |
| Nickel | 1.0 | 1.0 | 100 | 1.0 | 1.0 | 100 | <1 | 80-120 | <15 | |
| Sodium | 1.0 | 0.8 | 81 | 1.0 | 0.9 | 86 | 6.0 | 80-120 | <15 | |
| Zinc | 1.0 | 1.0 | 99 | 1.0 | 1.0 | 98 | 1.0 | 80-120 | <15 | |

QC Batch Number: 04192000/04192000

| LCS | LÇŞ | LCS | LCS/LCSD | | | | <u> </u> | |
|--------|------------------------|--|---|---|---|---|---|---|
| Concen | Recov | % REC | % Limit | , | | | | |
| 1.0 | 1.0 | 103 | 80-120 | | | - | - | |
| 1.0 | 1.0 | 98 | 80-120 | | _ | | | |
| 1.0 | 1.0 | 102 | 80-120 | | | | | |
| 1.0 | 1.0 | 104 | 80-120 | | - | | | |
| 1.0 | 1.0 | 102 | 80-120 | | | - | - | |
| | Concen 1.0 1.0 1.0 1.0 | Concen Recov 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 | Concen Recov % REC 1.0 1.0 103 1.0 1.0 98 1.0 1.0 102 1.0 1.0 104 | Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120 | Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120 | Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120 | Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120 | Concen Recov % REC % Limit 1.0 1.0 103 80-120 1.0 1.0 98 80-120 1.0 1.0 102 80-120 1.0 1.0 104 80-120 |



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ANALYTICAL RESULTS

Ordered By Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road

Los Angeles, CA 90065-5

Site

Hewitt/Calmat Self-Storage

Telephone: (323)258-2777 Attn:

George Cosby

Page:

Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230. 04/17/2000 VULCAN

Method: 160.2, Residue, Non-Filterable, Gravimetric, Dried at 103-105 C

QUALITY CONTROL REPORT

QC Batch Number: 04192000/04192000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|------------------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Llmit | Concen | Recov | % REC | % Limit | |
| Total Suspended Solids (TSS) | 139 | 136 | 2.2 | <15 | 100.0 | 94.0 | 94 | 80-120 | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div.

3200 San Fernando Road Los Angeles, CA 90065-5 Site

Hewitt/Calmat Self-Storage

Telephone: (323)258-2777 Attn:

George Cosby

Page:

Project Name:

Hewitt Storm water

Submitted Client AETL Job Number 15230 04/17/2000 VULCAN

Method: 150.1, pH - Electrometric (EPA/600/4-79-020)

QUALITY CONTROL REPORT

QC Batch Number: 04172000/04172000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Llmit | |
| pH | 7.34 | 7.34 | <1 | <15 | 7.0 | 7.0 | 100 | 80-120 | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div.

3200 San Fernando Road Los Angeles, CA 90065-5

Hewitt/Calmat Self-Storage

Attn:

Telephone: (323)258-2777 George Cosby

Page:

Project Name:

Hewitt Storm water

AETL Job Number Submitted Client 15230 04/17/2000 VULCAN

Method: 120.1, Conductance, Specific Conductance (at 25 Deg. C)

QUALITY CONTROL REPORT

QC Batch Number: 04172000/04172000

| | SM | SM DUP | RPD | SM RPD | LCS | LCS | LCS | LCS/LCSD | |
|----------------------|--------|--------|-----|---------|--------|-------|-------|----------|--|
| Analytes | Result | Result | % | % Limit | Concen | Recov | % REC | % Limit | |
| Specific conductance | 534 | 534 | <1 | <15 | 141.3 | 141.3 | 100 | 80-120 | |



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ANALYTICAL RESULTS

Ordered By

Vulcan Materials Co.-Calmat Div. 3200 San Fernando Road Los Angeles, CA 90065-5

Telephone: (323)258-2777 Attn: George Cosby

Page

2

Site

Hewitt/Calmat Self-Storage

| | | | | AET | L Job Num | ber Sul | omitted | Client | |
|---|------------|----------|------|------|------------------|--------------|------------|----------|--|
| Project Name: Hewitt Storm water | | | | | 15230 04/17/2000 | | | | |
| Our Lab I.D. | | | | , | | | AE72340 | 11 | |
| Client Sample I.D. | | | | | | Method Blank | OF-001 | | |
| Date Sampled | | | | .,, | | 04/17/2000 | 04/17/2000 | | |
| Matrix | | | | | | Aqueous | Aqueous | | |
| Analytes | Method | Units | MDL | PQL | Analyzed | Results | Results | | |
| Specific conductance | 120.1 | umhos/cm | 5.0 | 10.0 | 04/17/2000 | ND | 103 | | |
| pH | 150.1 | pH unit | 0.01 | 0.01 | 04/17/2000 | N/A | 7.71 | | |
| Total Suspended Solids (TSS) | 160.2 | mg/L | 5.0 | 10.0 | 04/19/2000 | ЯID | 258 | | |
| Calcium | 200.7 | mg/L | 0.25 | 0.50 | 04/19/2000 | ND | 13.6 | , Jan 19 | |
| Lead | 200.7 | mg/L | 0.05 | 0.10 | 04/19/2000 | ND | 0.15 | | |
| Nickel | 200.7 | mg/L | 0.01 | 0.05 | 04/19/2000 | СИ | 0.021J | \ | |
| Sodium | 200.7 | mg/L | 0.25 | 0.50 | 04/19/2000 | ИD | 4-1 | | |
| Zinc | 200.7 | mg/L | 0.01 | 0.05 | 04/19/2000 | ND | 0.23 | | |
| Chloride | 325.3 | mg/L | 0.5 | 1.0 | 04/18/2000 | ĊИ | 5 | | |
| Biochemical Oxygen Demand (BOD) | 405.1 | mg/L | 5.0 | 5.0 | 04/24/2000 | ND | 12 | | |
| Chemical Oxygen Demand | 410.4 | mg/L | 5.0 | 10.0 | 04/21/2000 | ЙЙ | 77 | | |
| Oil and Grease | 413.1 | mg/L | 0.5 | 1.0 | 04/18/2000 | ND | f.1 | | |
| Benzene | 602/M8015G | ug/L | 0.25 | 0.50 | 04/27/2000 | ND | ND | 7.1 | |
| Ethylbenzene | 602/M8015G | ug/L | 0.25 | 0.50 | 04/27/2000 | מא | סמ | | |
| Toluene (Methyl benzene) | 602/M8015G | ug/L | 0.25 | 0.50 | 04/27/2000 | ND | ND | | |
| Xylenes (Total) | 602/M8015G | ug/L | 0.50 | 1.00 | 04/27/2000 | ND | ND | | |
| Methyl-tert-butyl ether (MTBE) | 602/M8015G | ug/L | 0.50 | 1.00 | 04/27/2000 | ND | ND | | |
| TPH as Gasoline and Light HC, | 602/M8015G | ug/L | 5.0 | 10.0 | 04/27/2000 | ND | סא | | |
| (C4-C12) | | | | | | | | | |
| TPH as Diesel (C12-C23) | M8015D | mg/L | 0.1 | 0.5 | 04/18/2000 | ND | מא | | |
| TPH as Heavy Hydrocarbons | M8015D | mg/L | 0.1 | 0.5 | 04/18/2000 | ND | 0.7 | | |
| (C23-C40) | | | | | | | | | |
| TPH Total as Diesel and Heavy HC.C12-C40 | M8015D | mg/L | 0.1 | 0.5 | 04/18/2000 | ND | 0.7 | | |



 AETL JOB# 15230 PA 1 OF 1

| CLIENT: VUI Cam Morterials Co Calmat Div. TELEPHONE: 323-258-2777 19 1 | 7 |
|---|-------------|
| ADDRESS: 3200 Som Fernandu Rdi las Angeles Da arnas Hallandis | / |
| SITE: Hewith Calmat Self-Storage | |
| ADDRESS: 3200 Som Fernando Rd., Las Angeles, Ca. 90065 To 1985 SITE: Hewith Calmat Self-Storage Contact Wr. George Cosby NAME: Hewith Storm Waternumber: PROJECT PERSON: Wr. George Cosby NAME: Hewith Storm Waternumber: | |
| SAMPLE ID LAR ID DATE TIME CONTAINER SAMPLE TYPE | ARKS |
| SIZE/TYPE SOIL WATER WASTE WASTE WASTE OTHER PRES. | k / |
| OFCIOI AE72340 4-17-00 1515 11/PL V ice V I | |
| 1 (/ 11/22 4 | |
| 1L/GL Am V | |
| / L/GLAM V | W |
| (2)40ML, V | |
| 43504 0 | |
| | |
| | £ |
| | <u> </u> |
| | |
| | • |
| | • |
| Collected By: The Date 4-17-00 Time 1515 Delivered By: The U: When Date 4-17-00 Time 16 | 05 |
| Relinquished By Cure 4-1 Mu Date 4-17-00 Time 1605 Received For Laboratory for Suram Date 4-17-00 Time 16 | OF |
| Turn Around Time \ Rush Invoice Vulcan Materials Con-Calmet Di | 7. |



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Ordered By

Vulcan Materials Co.-Calmat Div.

3200 San Fernando Road Los Angeles, CA 90065-5

Telephone: (323)258-2777 Attention: George Cosby Number of Pages 12

Date Received 04/17/2000

Date Reported 04/28/2000

| | 184 | |
|------------|------------|--------|
| Job Number | Order Date | Client |
| 15230 | 04/17/2000 | VULCAN |

Project Name: Hewitt Storm water

Site:

Hewitt/Calmat Self-Storage

Enclosed please find results of analyses of 1 water sample which was analyzed as specified on the attached chain of custody. If there are any questions, please do not hesitate to call.

Checked By:

Surlan Approved By: CRo

Cyrus Razmara, Ph.D.

Laboratory Director

G. MONTHLY WET SEASON VISUAL OBSERVATIONS

Н.

Section B.4.a of the General Permit requires you to conduct monthly visual observations of storm water discharges at all storm water discharge locations during the wet season. These observations shall occur ng ge.

| | | the f | Indicate belo locations. At storm events | w whether natach an exp | n the case of ten nonthly visual ob planation for an uring scheduled e, name and title | servation y "NO" a facility op | ns of stor answers perating l | rm water d . Include i | ischarges occur in this explanation did not result in | red at <u>al</u> on wheth a storm | II discharge ner any eligible water discharge |
|----|------------------------|----------------------------|---|---|--|---|---|--|---|---|---|
| | | | October | YES | NO | | Fe | ebruary | YES | | ОИ |
| | | | November | | | | Ma | arch | $\overline{\Box}$ |] | |
| | | | December | | | | Ap | oril | | [| |
| | | | January | | | | Ma | ау | X | [| |
| | | 2. | Report mont | hly wet seas | son visual obser | vations us | sing Fo r | m 4 or pro | vide the following | ng inform | nation. |
| AN | NUAL | . COI | b. name a c. charac d. any ne Provide | and title of ol teristics of the woor revised enewor rev | ation of observa bserver ne discharge (i.e I BMPs necessa ised BMP impler | e., odor, co ry to redu mentation | ice or pr i date. | event polli | rce of any pollut utants in storm v | ants obs vater dis | erved. charges. |
| Н. | <u>ACS</u> | CE C | <u>HECKLIST</u> | | | | | | | | |
| | June be re steps | : 30). :vised : nece | Evaluations n and impleme | nust be cond nted, as ned plete a ACS(| essary, within 9 CE. Indicate wh | l6 months 0 days of | of each | n other. Th luation. Tl | ne SWPPP and ne checklist belo | monitorii ow includ | ng program shall des the minimum |
| | 1. | Have The | you inspecte following area | d all potentia s should be | al pollutant sourd inspected: | ces and ir | ndustrial | activities | areas?X <mark>XX</mark> YE | ES | NO |
| | | • (| areas where s the last year. outdoor wash orocess/manu oading, unload waste storage/ dust/particulate erosion areas. | and rinse are facturing are ding, and tra disposal are | eas. Insfer areas. eas. | d during | nvtrrcv | naterial sto ehicle/equ ruck parkir poftop equ ehicle fuel | pair, remodeling prage areas prage areas proment storage ng and access a proment areas proment areas promented ing/maintenance | areas reas e areas | |
| | 2. | Have poter | you reviewed Itial pollutant s | your SWPP sources and | PP to assure that industrial activiti | t its BMPs ies areas' | s addres ? | s existing | XXX XX YE | ES | □ NO |
| | 3. | Have is up- | you inspected to-date? The | d the entire following sit | acility to verify the map items sho | hat the SV ould be ve | NPPP's erified: | site map, | XXXXX YE | ΞS | □ NO |
| | | • 0 | acility boundar outline of all store reas impacted | orm water dr | rainage areas | • | storm v | water colle | narges locations ction and conve measures such | yance sy | |

Have you reviewed all General Permit compliance records generated since the last annual evaluation?

berms, containment areas, oil/water separators, etc.

ОИГ

F. QUARTERLY VISUAL OBSERVATIONS

| ۱. | Sect | athorized Non-Storm Water Discharges action B.3.b of the General Permit requires quarterly visual observations of all authorized non-storm water acharges and their sources. | | | | | | |
|----|------|--|--|--|--|--|--|--|
| | a. | Do authorized non-storm water discharges occur at your fa | cility? | | | | | |
| | | YES XXXX NO Go to Item F | .2 | | | | | |
| | b. | Indicate whether you visually observed all authorized non-storm water discharges and their sources during the quarters when they were discharged. Attach an explanation for any "NO" answers . Indicat "N/A" for quarters without any authorized non-storm water discharges. | | | | | | |
| | | July -September YES NO N/A Oc | tober-December YES NO N/A | | | | | |
| | | January-March YES NO N/A Ap | ril-June YES NO N/A | | | | | |
| | C. | Use Form 2 to report quarterly visual observations of authororovide the following information. | orized non-storm water discharges or | | | | | |
| | | i. name of each authorized non-storm water discharge ii. date and time of observation iii. source and location of each authorized non-storm water iv. characteristics of the discharge at its source and impact name, title, and signature of observer vi. any new or revised BMPs necessary to reduce or prevised barges. Provide new or revised BMP implementation | cted drainage area/discharge location rent pollutants in authorized non-storm water | | | | | |
| 2. | Sect | nauthorized Non-Storm Water Discharges ection B.3.a of the General Permit requires quarterly visual obsesence of unauthorized non-storm water discharges and their second | ervations of all drainage areas to detect the sources. | | | | | |
| | a. | Indicate whether you visually observed all drainage areas to storm water discharges and their sources. Attach an explanation of the story of the sto | o detect the presence of unauthorized non- anation for any "NO" answers. | | | | | |
| | | July -September X YES NO Oc | tober-December X YES NO | | | | | |
| | | January-March X YES NO Ap | ril-June XXXXX YES NO | | | | | |
| | b. | Based upon the quarterly visual observations, were any un | authorized non-storm water discharges detected? | | | | | |
| | | YES XXXX NO | O Go to item F.2.d | | | | | |
| | C. | Have each of the unauthorized non-storm water discharge | es been eliminated or permitted? N/A | | | | | |
| | | YES NO | Attach explanation | | | | | |
| | d. | Use Form 3 to report quarterly unauthorized non-storm was following information. | ater discharge visual observations or provide the | | | | | |
| | | i. name of each unauthorized non-storm water dischar date and time of observation. iii. source and location of each unauthorized non-storm characteristics of the discharge at its source and important name, title, and signature of observer. vi. any corrective actions necessary to eliminate the so discharge and to clean impacted drainage areas. Prodischarge(s) was eliminated or scheduled to be elim | water discharge. pacted drainage area/discharge location. purce of each unauthorized non-storm water provide date unauthorized non-storm water | | | | | |

SPECIFIC INFORMATION

MONITORING AND REPORTING PROGRAM

E.

| <u>S/</u> | AMPLING A | AND ANALYSIS EXEMPTIONS AND REDUCTIONS | | | |
|-----------|--------------------------|--|-----------------------|------------------------|--|
| 1. | | eporting period, was your facility exempt from collec ace with sections B.12 or 15 of the General Permit? | ting and | analyzing | g samples from two storm events in |
| | YE | Go to Item D.2 | XXX | NO | Go to Section E |
| 2. | Indicate t copy of th | the reason your facility is exempt from collecting and ne first page of the appropriate certification if you ch | l analyzi eck boxe | ng samples ii, iii, iv | es from two storm events. Attach a , or v. |
| | i | Participating in an Approved Group Monitoring Plan | า | Group | Name: |
| | | | | | |
| | ii. | Submitted No Exposure Certification (NEC) | | Date Su | ubmitted:// |
| | | Re-evaluation Date: // | | | |
| | | Does facility continue to satisfy NEC conditions? | | YES | □ № |
| | iii. | Submitted Sampling Reduction Certification (SR | C) | Date Su | bmitted:// |
| | | Re-evaluation Date:/_/ | | | |
| | | Does facility continue to satisfy SRC conditions? | | YES | NO NO |
| | iv. | Received Regional Board Certification | | Certifica | tion Date: /// |
| | v | Received Local Agency Certification | | Certifica | tion Date:// |
| 3. | If you che | cked boxes i or iii above, were you scheduled to sar | nple o ne | storm ev | vent during the reporting year? |
| | YE | S Go to Section E | | NO | Go to Section F |
| 4. | If you ched | cked boxes ii, iv, or v, go to Section F. | | | |
| SAM | IPLING AND | D ANALYSIS RESULTS | | | |
| 1. | How many | i | | .i or iii. ab | ach explanation (if you checked bove, only attach explanation if you |
| 2. | | ellect storm water samples from the first storm of the facility operating hours? (Section B.5 of the Genera | | | oroduced a discharge during |
| | X YE | ES | | NO | Attach explanation |
| 3. | How many | storm water discharge locations are at your facility? | ? C | NE | |

1999-2000 ANNUAL REPORT

FOR STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

Reporting Period July 1, 1999 through June 30, 2000

An Annual Report is required to be submitted to your local Regional Water Quality Control Board (Regional Board) by July 1 of each year. This document must be certified and signed, under penalty of perjury, by the appropriate official of your company. Many of the Annual Report questions require an explanation. Please provide explanations on a separate sheet as an attachment. Retain a copy of the completed Annual Report for your records.

If any information contained in Items A, B, C, and D below is incorrect, please cross out or highlight the incorrect information (do not white out or erase) and provide the correct information next to or above the incorrect information so that we can update our records. Please remember that a Notice of Termination and new Notice of Intent is required whenever your facility is relocated or changes ownership.

If you have any questions, please contact your Regional Board Storm Water Program Contact. The address of the Regional Board (where the Annual Report must be filed) along with the name, telephone number, and e-mail address of the contact is indicated below. Additional copies of the Annual Report may be obtained from our web site at www.swrcb.ca.gov.

REGIONAL BOARD INFORMATION:

LOS ANGELES REGIONAL WATER BOARD 320 W. 4TH STREET, SUITE 200 LOS ANGELES, CA 90013

ROBERT TOM (213) 576-6753

E-mail: rtom@rb4.swrcb.ca.gov

GENERAL INFORMATION

A. Facility Location:

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

B. Facility WDID No:

4 19S002767

C. Facility Operator Information:

Contact Person: MR GEORGE COSEN PETER CHILL

(323) 258-2777

CALMAT CO

3200 SAN FERNANDO BLVD.

LOS ANGELES, CA 90065

D. Facility Information:

Contact Person:

Mailing Address: MR. GEORGE COSBY

HEWITT LANDFILL (CLOSED) 7361 LAUREL CANYON BLVD. LOS ANGELES, CA 91605

(323) 258-2777

SIC Code(s): 4953

Refuse Systems

State of California State Water Resources Control Board NOTICE OF INTENT

For Existing Couliby Operators



For Existing Facility Operators

TO COMPLY WITH THE TERMS OF THE GENERAL PERMIT TO DISCHARGE STORM WATER ASSOCIATED WITH INDUSTRIAL ACTIVITY (WQ ORDER No. 97-03-DWQ)

This Notice of Intent (NOI) is being sent to all facility operators that were enrolled under the prior Industrial Storm Water General Permit that has now expired. A new General Permit has been adopted to replace the expired one. To enroll under the new General Permit, review this NOI (and make any necessary corrections), sign the CERTIFICATION on the reverse side, and return this original NOI within 45 days of receipt to: STORM WATER NOI PROCESSING UNIT, STATE WATER RESOURCES CONTROL BOARD, PO BOX 1977, SACRAMENTO, CA 95812-1977

| FACILITY OPERATOR INFORMATION: | WDID: | 4B19S0 | 0276 |
|--|------------|----------------|--------|
| NAME: CAL MAT PROPERTIES | CONTA | | |
| STREET: 3200 SAN FERNANDO BLVD. | MR. G | EORGE (213) 25 | |
| CITY, STATE, ZIP: LOS ANGELES, CA 90065 | _ | | |
| FACILITY LOCATION: | County | : Los Ar | ngeles |
| NAME: HEWITT LANDFILL (CLOSED) | CONTA | CT & PI | |
| STREET: 7361 LAUREL CANYON BLVD. | WIT. C | (213) 25 | |
| CITY, STATE, ZIP: LOS ANGELES, CA 91605 | - | | |
| FACILITY MAILING ADDRESS: (IF DIFFERENT THAN FACILITY LOCATION) | | 97 1 | |
| STREET OR POST OFFICE BOX: | | Aug I | |
| CITY, STATE, ZIP: | | 8 | |
| ADDRESS FOR CORRESPONDENCE - SEND TO: (CHECK ONE) | 高 名 | | |
| [] Facility Operator Address [] Facility Mailing Address [] Both | 15.0 | 9 | |
| BILLING ADDRESS INFORMATION - SEND TO: (CHECK ONE) | | | |
| [X] Facility Operator Address [] Facility Mailing Address [] Other (enter below) | | | |
| NAME: | | | |
| STREET: | | | |
| CITY, STATE, ZIP: | | | |
| CONTACT PERSON: PHONE: | | | |
| SIC(S) OF REGULATED ACTIVITY: | | | |

(CERTIFICATION continued on the reverse side)

4953

Refuse Systems

CERTIFICATION:

WDID: 4B19S002767

"I certify under penaty of law that this document and all attachments were prepared under my direction and supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. In addition, I certify that the provisions of the permit, including the development of and implementation of a Storm Water Pollution Prevention Plan and a Monitoring Program Plan, will be complied with."

| Printed Name: Thomas J. Lowry | | |
|---------------------------------------|-------|---------|
| Signature: Arna Jen | Date: | 6/05/97 |
| Title: Manager, Environmental Affairs | | |

MR. GEORGE COSBY CAL MAT PROPERTIES 3200 SAN FERNANDO BLVD. LOS ANGELES, CA 90065

For State Water Board Use

ANNUAL REPORT

FOR

STORM WATER DISCHARGES ASSOCIATED WITH INDUSTRIAL ACTIVITIES

STATEWIDE GENERAL PERMIT - WQ ORDER NOS. 91-13-DWQ & 92-12-DWQ (NPDES CA000001)
OR THE
SANTA CLARA COUNTY GENERAL PERMIT - BOARD ORDER NOS. 92-011 & 92-116 (NPDES CAG12001)

Please provide the following information. Provide a brief explanation, on a separate sheet(s), to all questions you have answered with a NO response, and to those questions that request additional information. Attach the separate sheets as an addendum to your report. If you have any questions regarding this report please contact your local Regional Water Quality Control Board (Regional Board), or the State Water Resources Control Board (State Board) (see Attachment I).

This report requires that you provide an accurate and honest assessment of your facility's status of compliance with the storm water program. All incidents of non-compliance are to be reported. Provide a brief explanation of the incident that resulted in the non-compliance. Include in this discussion what you will do, or how you intend to bring your facility into compliance along with a time schedule for implementation of your actions.

This report must be certified and signed, under penalty of perjury, that the information provided in this report is true and complete. The certification must be sign by an appropriate official of your company (see Section C.9).

GENERAL OWNER/FACILITY INFORMATION:

| A. | Facility WDID No: 48195002767 | | | |
|----|--|---------------------------|---------------|---------------------|
| B. | Facility/Site Information: | | | |
| - | Name: SEE NOI | County: | | Programme Commencer |
| | Street Address: 736/ Laure/Cyn Blvd. City: North Hollywood | | |) " |
| | City: North Hollywood | State: CA | Zip: 9/ | 1605 |
| ? | SIC Code(s): 9999 | | , | |
| | Describe your business activities: Landfill (c. | losed) | | |
| | | | | |
| | Mailing Address: SEE NOZ | | | |
| | City: | State: | Zip: | |
| | Contact Person: | Phone: () | | |
| C. | Is your facility part of a Group Monitoring Plan?YesYes | No | | |
| | If Yes, please answer the following questions: | | | |
| | - What is the Group Monitoring Plan's name: | | | |
| | - Is your facility designated to collect storm water samples? | YesNo | | |
| D. | Has your facility been approved for exemption to storm water:YesNo | sample collection (Sectio | n B.9.a,b and | i c)? |
| | If Yes, were you: self-certified certified by | a local agency? | | |
| | Provide the date you submitted your certification to the Region | al Board office: | | |

ANNUAL REPORT

STATEWIDE GENERAL PERMIT - WQ ORDER NOS. 91-13-DWQ & 92-12-DWQ (NPDES CA000001) OR THE SANTA CLARA COUNTY GENERAL PERMIT - BOARD ORDER NOS. 92-011 & 92-116 (NPDES CAG12001)

| 1. | Is all the information contained in your NOI current and correct, i.e. facility address, contact name, phone number, etc.? YesNo |
|------------|---|
| | If NO, please submit a revised NOI to the State Board with a copy to your Regional Board. |
| | Have you prepared a Storm Water Pollution Prevention Plan (SWPPP) as required in Section A of the Permit? YesNo |
| 3. | Have you implemented all elements of your SWPPP?No |
| 4. | Have all non-storm water discharges been permitted or eliminated (Section A.6)? YesNo |
| | If No, have you reported all the non-storm water discharges to the appropriate Regional Board office?YesNo |
| 5 . | Have you developed a monitoring program as required in Section B of the Permit?No |
| 6. | Have you implemented all the elements of your monitoring plan?No |
| 7. | Did you conduct an annual site inspection (Section B.5.a)? YesNo |
| | If Yes, what date was it conducted: $6-1-93$, and by whom $\frac{T_{on}}{L_{vero}}$. Please provide a brief summary of your inspection findings. $swpp = 6eing fellowed$ |
| 8. | Did you conduct monthly visual wet weather inspections (Section B.5.c)? Yes No |
| | If Yes, please indicate the storm water discharge points that were inspected, and provide the following information for each point: 2-26-73 e 8 mm Date and time of inspection. Include a sketch or site plan of the facility showing all the points of discharge. Indicate on this sketch or plan which points of discharge were monitored. Storm water flow characteristics observed per discharge point. For example was the flow discolored, very turbid; did it have an odor, evidence of floating or suspended material; did it have a sheen; or any other unusual characteristics? If none of these types of flow characteristics were observed, please proceed to the next question. If they were, please discuss the corrective actions taken or to be taken. |
| 9. | Did you conduct dry season site inspections (Section B.5.b)? Yes No |
| | If Yes, please provide the number of storm water discharge points observed, and provide the following for each point: |
| | a. Date and time of inspection, and a sketch or site map as indicated under question number 8. b. Was there a dry weather (non-storm water) flow occurring at the time of inspection? No. If yes, please provide the following: |
| | i. Is the flow subject to a NPDES permit?YesNo If no proceed to item ii. If yes, what is the Board Order No, proceed with discussion of next discharge. |
| | ii. Did you report the non-storm water discharge to the Regional Board?YesNo If no, did you address this flow under Question No. 4?YesNo If no, revise your answer to No. 4. If yes, and you have addressed items iii-v below, proceed with discussion of next discharge. Otherwise amend your answer to No. 4 to include a discussion of items iii-v, and proceed. |
| | iii. Description of the flow characteristics, i.e. odor, color, etc. |
| | iv. Possible source of flow. |
| | v. Corrective action taken. If no action has been taken, please discuss what actions will be taken to eliminate the non- |

storm water discharge.

ANNUAL REPORT

STATEWIDE GENERAL PERMIT - WQ ORDER NOS. 91-13-DWQ & 92-12-DWQ (NPDES CA000001)

OR THE

SANTA CLARA COUNTY GENERAL PERMIT - BOARD ORDER NOS. 92-011 & 92-116 (NPDES CAG12001)

| | | • | | | | | | |
|-----|---|--|--|--|--|--|--|--|
| 10. | sne | a separate sheet, evaluate the effectiveness of the facility's SWPPP and Best Management Practices (BMPs). Discuss cific areas or elements of the SWPPP that are or are not effective. For plans that were not effective, provide alternatives proposed revisions to the SWPPP that will be implemented as a result of your monitoring program. | | | | | | |
| | mor pres | mples of the types of questions this discussion should answer are: Did the SWPPP work? Where did it fail? Are there re discharge points than originally identified? Did the BMPs work effectively; if not why? What types of pollutants are sent in the facility's storm water runoff, and what are their potential sources; and did you implement appropriate BMPs to trol these pollutants? | | | | | | |
| | | and the second of the second o | | | | | | |
| 11. | а. | Did you collect storm water samples (Section B.5.d)? Yes No | | | | | | |
| | | If No, explain way you were unable to collect samples. | | | | | | |
| | b. | If No, explain way you were unable to collect samples. How many storm water discharge points does your facility have? | | | | | | |
| | C. | If you collected samples, did you monitor all storm water discharge points (Section B.11)?YesNo | | | | | | |
| | | If No, have you documented in your monitoring program that the storm water discharges from different locations are substantially identical?YesNo | | | | | | |
| | | If No, please update your Monitoring program and provide the documentation as an addendum to this report. | | | | | | |
| | d. | Please complete the table provided on Page 5 of this report for each discharge point monitored. You should copy page 5 if you will need additional blank tables. Add to the list of constituents any toxic or other pollutants included in your monitoring program. | | | | | | |
| ? | e. | Is your facility identified under Category 1 of Attachment 1 of the General Permit as a facility that is subject to Federal Effluent Storm Water Guidelines?YesNo | | | | | | |
| | If Yes, please provide the following information. If No. please proceed to the next question. | | | | | | | |
| | | The Guidelines for your facility are listed in 40 CFR Subchapter N, Part | | | | | | |
| | | - Were samples collected in accordance with the Federal requirements?YesNo | | | | | | |
| | | If No, please provide an explanation. If Yes, please answer the following: | | | | | | |
| | | Did the sample analytical results indicate that any of the applicable effluent limits had been exceeded?No | | | | | | |
| | | If Yes, please provide the following information for each pollutant exceeding the effluent limitation: | | | | | | |
| | | Storm Water Discharge Point sample collected. Constituent analyzed. Federal Storm Water Effluent Guideline | | | | | | |
| | | Sample Result A brief explanation | | | | | | |
| | | | | | | | | |
| 12 | . Do | you certify (as indicated on page 4) that, based on your annual site inspection, your facility is in compliance with the direments of the Permit and your SWPPP?YesNo | | | | | | |

ANNUAL REPORT

STATEWIDE GENERAL PERMIT - WO ORDER NOS. 91-13-DWQ & 92-12-DWQ (NPDES CA000001)
OR THE
SANTA CLARA COUNTY GENERAL PERMIT - BOARD ORDER NOS. 92-011 & 92-116 (NPDES CAG12001)

CERTIFICATION

I am a person duly authorized to sign reports required by the STATEWIDE INDUSTRIAL GENERAL PERMIT or the SANTA CLARA COUNTY GENERAL PERMIT (Section C.9), and I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| Printed Name: Server Selb | »¬ |
|---------------------------|---------------|
| Signature | Date: 6/30 93 |
| Title: Title: | |

ANNUAL REPORT

STATEWIDE GENERAL PERMIT - WQ ORDER NOS. 91-13-DWQ & 92-12-DWQ (NPDES CA000001)

OR THE

SANTA CLARA COUNTY GENERAL PERMIT - BOARD ORDER NOS. 92-011 & 92-116 (NPDES CAG12001)

11. d. Sampling Results. Please complete the following table for each discharge point monitored. Add to the list of constituents any toxic or other pollutants included in your monitoring program.

| CONSTITUENT | DISCHARGE POINT | TYPE OF SAMPLE® | DATE & TIME SAMPLE COLLECTED ⁽²⁾ | RESULTS ⁽³⁾ | LABORATORY DETECTION LIMIT |
|--|--------------------|-----------------|---|------------------------|----------------------------------|
| рH | | | | (pH units) | |
| TSS | | | | mg/l | |
| SPECIFIC CONDUCTANCE | | | | μohms/cm | |
| OIL & GREASE | | | | mg/l | |
| тос | | | | mg/l | |
| FLOW ⁽⁴⁾ (IF APPLICABLE) | | | | gallons | |
| SIZE OF STORM (IF AVAILABLE) | | | | inches | |
| | | | | | |
| | | | | | |
| | | | د | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

SEE ATTACHMENT

(1) ENTER IF THE SAMPLE WAS A GRAB (GR) OR COMPOSITE (C); IF THE SAMPLE WAS COLLECTED MANUALLY (M) OR WITH AN AUTOMATIC SAMPLER (AS). IF THE SAMPLE WAS A COMPOSITE PLEASE INDICATE IF IT WAS A TIME (TC) OR FLOW(FC) WEIGHTED COMPOSITE SAMPLE.

A GRAB SAMPLE IS AN INDIVIDUAL SAMPLE COLLECTED IN LESS THAN 15 MINUTES. SECTION B.12 OF THE PERMIT REQUIRES THAT ALL SAMPLES SHALL BE GRAB SAMPLES UNLESS OTHERWISE APPROVED BY REGIONAL BOARD STAFF, OR IF REQUIRED BY A FEDERAL EFFLUENT GUIDELINE.

A COMPOSITE SAMPLE IS A COMBINATION OF INDIVIDUAL SAMPLES COLLECTED OVER THE SPECIFIED SAMPLING PERIOD; SUCH AS, AT EQUAL TIME INTERVALS, OR AT VARYING TIME INTERVALS SO THAT EACH SAMPLE REPRESENTS AN EQUAL PORTION OF THE CUMULATIVE FLOW, APPROPRIATE TIME INTERVALS ARE SUBJECT TO REGIONAL BOARD STAFF APPROVAL.

- (2) ENTER THE TIME THE SAMPLE WAS TAKEN AND INDICATE HOURS OR MINUTES INTO THE STORM THE SAMPLE WAS COLLECTED.
- (3) IF THE ANALYTICAL RESULTS INDICATE A VALUE LESS THEN THE DETECTION LIMIT (OR NON DETECT), PLEASE SHOW THE VALUE AS LESS THAN THE NUMERICAL VALUE OF THE DETECTION LIMIT.
- (4) DESCRIBE. ON A SEPARATE SHEET, HOW THE FLOW MEASUREMENT WAS CALCULATED. DISCHARGERS SUBJECT TO THE SANTA CLARA COUNTY GENERAL PERMIT ARE REQUIRED TO PROVIDE ESTIMATES OR CALCULATIONS OF THE VOLUME OF STORM WATER DISCHARGE FROM EACH DISCHARGE POINT.

ANNUAL REPORT

STATEWIDE GENERAL PERMIT - WO ORDER NOS. 91-13-DWQ & 92-12-DWQ (NPDES CA000001)
OR THE
SANTA CLARA COUNTY GENERAL PERMIT - BOARD ORDER NOS. 92-011 & 92-116 (NPDES CAG12001)

SUPPLEMENTAL QUESTIONNAIRE (OPTIONAL)

We have received over 8000 NOIs for coverage under the STATEWIDE INDUSTRIAL GENERAL PERMIT. We have tried to make the program understandable and provide a workable means of implementing a complex set of new regulations. You may wish to spend a few minutes answering the following questions to tell us how we are doing.

You may send this form with your annual report. If you wish to submit it anonymously, please submit it under separate cover.

| 1. | Do you understand the GENERAL PERMIT and what it requires you to do?YesNo | | | | |
|----|---|--|--|--|--|
| 2. | Do you consider the GENERAL PERMIT an efficient and workable means to comply with the Clean Water Act and the Storm Water Permitting Regulations?YesNo | | | | |
| 3. | Have you had any contact (inspections, informational workshops, telephone inquiries) with staff of the Regional Water Boards or your local storm water management agency?YesNo | | | | |
| | If Yes, please indicate the type of contact made, and the date (if available) it was made. You may also wish to discuss the context in which the contact was made and if you were satisfied with the help or guidance received in response to your inquiry. | | | | |
| 4. | Did you (or your accounting office) understand the INVOICE FOR FISCAL YEAR 1992-93 ANNUAL FEE which was mailed in early April of this year?YesNo | | | | |
| 5. | Please use the space provided below (or an attachment) to suggest ways that we can improve and/or streamlin our management of this program, or the explain your responses made to the preceding questions. | | | | |

This program <u>must</u> be simplified. The reporting requirements are much too burdensome. Whitever happened to plans to streamline reporting requirements? The SWRCB & RWQCB have been too slow in respending to inquiries for helping us to work through thise forms. Also, while are you asking for information that was already provided in the NOZ. Simplify. Place Simplify the entire program.

ANNUAL REPORT

STATEWIDE GENERAL PERMIT - WQ ORDER NOS. 91-13-DWQ & 92-12-DWQ (NPDES CA000001)
OR THE
SANTA CLARA COUNTY GENERAL PERMIT - BOARD ORDER NOS. 92-011 & 92-116 (NPDES CAG12001)

d. Sampling Results. Please complete the following table for each discharge point monitored. Add to the list of constituents any toxic or other pollutants included in your monitoring program.

| CONSTITUENT | POINT SAMPLE" S | | DATE & TIME SAMPLE COLLECTED' | RESULTS® | LABORATORY DETECTION LIMIT |
|---------------------------------|-----------------|------|---------------------------------------|--------------|----------------------------------|
| рН | | | | (pH unwis) | |
| TSS | | | | ma/l | |
| SPECIFIC CONDUCTANCE | | | · - | pohme/em | |
| OIL & GREASE | | | | mg/l | |
| Toc | | | · · · · · · · · · · · · · · · · · · · | man | |
| FLOWIN (IF APPLICABLE) | | | | gallons | |
| SIZE OF STORM (IF AVAILABLE) | | | | Miches | |
| Cu | 1 | GR M | 2-24-45/0830 | 0.11 male | 0.0216/8 |
| Pb | 11 | P | ii his- | 0.0360018 | 7.5 |
| Hes | 1) | þ | ıl | <0.0005 mg/2 | 0.05 Mg/R |
| Mo | h | • | И | <0.50 m. 10 | 0.0005 mg/l |
| N; | 11 | h | h | 0.052 mall | 10 |
| Se | n | ı | 1) | 10 not ma 10 | 0.04 Mg/K |
| Au | 11 | | ı | (0.0) -10 | C C C |
| TL | 11 | h | l ₁ | 10 11 m 10 | DING/X |
| | 11 | 11 | h | 7 17 19 1 | 12:7mg/8 |
| 70 | 11 | - | 11 | 030 mg/2 | U.OYMS/X |

(1) ENTER IF THE SAMPLE WAS A GRAB (GR) OR COMPOSITE IC): IF THE SAMPLE WAS COLLECTED MANUALLY (M) OR WITH AN AUTOMATIC SAMPLER (AS). IF THE SAMPLE WAS A COMPOSITE PLEASE INDICATE IF IT WAS A TIME (TC) OR FLOWIFC) WEIGHTED COMPOSITE SAMPLE.

A GRAB SAMPLE IS AN INDIVIDUAL SAMPLE COLLECTED IN LESS THAN 15 MINUTES. SECTION 8.12 OF THE PERMIT REQUIRES THAT ALL SAMPLES SHALL BE GRAB SAMPLES UNLESS OTHERWISE APPROVED BY REGIONAL BOARD STAFF, OR IF REQUIRED BY A FEDERAL EFFLUENT GUIDELINE.

A COMPOSITE SAMPLE IS A COMBINATION OF INDIVIDUAL SAMPLES COLLECTED OVER THE SPECIFIED SAMPLING PERIOD; SUCH AS, AT EQUAL TIME INTERVALS, OR AT VARYING TIME INTERVALS SO THAT EACH SAMPLE REPRESENTS AN EQUAL PORTION OF THE CUMULATIVE FLOW. APPROPRIATE TIME INTERVALS ARE SUBJECT TO REGIONAL BOARD STAFF APPROVAL.

- 12) ENTER THE TIME THE SAMPLE WAS TAKEN AND INDICATE HOURS OR MINUTES INTO THE STORM THE SAMPLE WAS COLLECTED.
- 13) IF THE ANALYTICAL RESULTS INDICATE A VALUE LESS THEN THE DETECTION LIMIT (OR NON DETECT), PLEASE SHOW THE VALUE AS LESS THAN THE NUMERICAL VALUE OF THE DETECTION LIMIT,
- 141 DESCRIBE, ON A SEPARATE SHEET, HOW THE FLOW MEASUREMENT WAS CALCULATED. DISCHARGERS SUBJECT TO THE SANTA CLARA COUNTY GENERAL PERMIT ARE REQUIRED TO PROVIDE ESTIMATES OR CALCULATIONS OF THE VOLUME OF STORM WATER DISCHARGE FROM EACH DISCHARGE POINT.

ANNUAL REPORT

STATEWIDE GENERAL PERMIT - WQ ORDER NOS. 91-13-DWQ & 92-12-DWQ (NPDES CA000001)
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 d. Sampling Results. Please complete the following table for each discharge point monitored. Add to the list of constituents any toxic or other pollutants included in your monitoring program.

| CONSTITUENT | DISCHARGE POINT | TYPE OF | DATE & TIME SAMPLE COLLECTED ¹⁷⁸ | RESULTS ^M | LABORATORY DETECTION LIMIT |
|---------------------------------------|--------------------|---------|---|----------------------|----------------------------------|
| ρН | 1 | GR M | 2-24-93/0830 | 8 (pH units) | NA |
| TS \$ | n | 11 | i hrs. | 590 man | 5 mg/2 |
| SPECIFIC CONDUCTANCE | 11 | 11 | | 220 pohrne/om | 5 mg/l 10 Mhos/cm |
| OIL & GREASE | 11 | į) | 11 | 1,4 man | 0.5 Mg/L |
| TOC | | | | mg/l | |
| FLOW ^(A) (IF APPUCABLE) | | | | gations | |
| SIZE OF STORM | | | | inches | |
| COD | n | 11 | l) | 180 | GMg/R 7Ma/R |
| Bob | 11 | 11 | 11 | 1.8 | 7Mg/R |
| EPA 624 | n | 11 | 1) | All Hondetect | |
| AS | 11 | n | l) | 0.0083 mg/l | 0.002 115/8 |
| An | n | 1) | n | <0.06 Mg/2 | 0.06Mg/R |
| Ва | 11 | 11 | 11 | 0.65 mall | 0.0070g/e |
| Be | n | 11 | _ 11 | <0.000 mg/s | 0.002 Mg/R |
| Cd | n | " | l | 0.057 mg/R | 0.02 mg/8 |
| Cr | n | 11 | 11 | 0.046 mals | 0.03 Mg/R |
| CO | | 1) | 11 | 0.043mall | 0.04 mg/ |

(1) ENTER IF THE SAMPLE WAS A GRAB IGRI OR COMPOSITE (C); IF THE SAMPLE WAS COLLECTED MANUALLY (M) OR WITH AN AUTOMATIC SAMPLER (AS). IF THE SAMPLE WAS A COMPOSITE PLEASE INDICATE IF IT WAS A TIME (TC) OR FLOWIFC) WEIGHTED COMPOSITE SAMPLE.

A GRAB SAMPLE IS AN INDIVIDUAL SAMPLE COLLECTED IN LESS THAN 15 MINUTES. SECTION 6.12 OF THE PERMIT REQUIRES THAT ALL SAMPLES SHALL BE GRAB SAMPLES OTHERWISE APPROVED BY REGIONAL BOARD STAFF. OR IF REQUIRED BY A FEDERAL EFFLUENT GUIDELINE.

A COMPOSITE BAMPLE IS A COMBINATION OF INDIVIDUAL SAMPLES COLLECTED OVER THE SPECIFIED SAMPLING PERIOD: SUCH AS, AT EQUAL TIME INTERVALS, OR AT VARYING TIME INTERVALS SO THAT EACH SAMPLE REPRÉSENTS AN EQUAL PORTION OF THE CUMULATIVE FLOW. APPROPRIATE TIME INTERVALS ARE SUBJECT TO REGIONAL BOARD STAFF APPROVAL.

- 121 ENTER THE TIME THE SAMPLE WAS TAKEN AND INDICATE HOURS OR MINUTES INTO THE STORM THE SAMPLE WAS COLLECTED.
- 13) IF THE ANALYTICAL RESULTS INDICATE A VALUE LESS THEN THE DETECTION LIMIT IOR NON DETECT), PLEASE SHOW THE VALUE AS LESS THAN THE NUMERICAL VALUE OF THE DETECTION LIMIT.
- 141 DESCRIBE, ON A SEPARATE SHEET, HOW THE FLOW MEASUREMENT WAS CALCULATED. DISCHARGERS SUBJECT TO THE SANTA CLARA COUNTY GENERAL PERMIT ARE REQUIRED TO PROVIDE ESTIMATES OR CALCULATIONS OF THE VOLUME OF STORM WATER DISCHARGE FROM EACH DISCHARGE POINT

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State of Carriornia . State Water Resources Control Board

NOTICE OF INTENT

FOR



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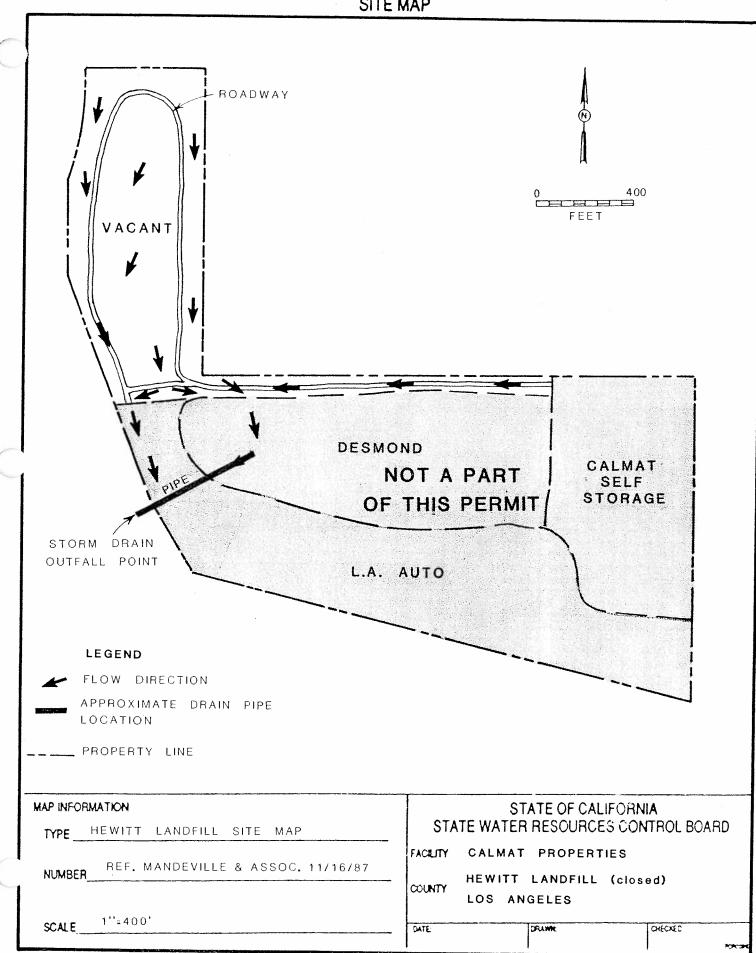
GENERAL PERMIT TO DISCHARGE STORM WATER

ASSOCIATED WITH INDUSTRIAL ACTIVITY (WQ Order No. 91 - 13 - DWQ)

(Excluding Construction Activities)

| MARK ONLY ONE ITEM | 1. Existing Facility | 1 Change | , |
|-----------------------------|--|-------------------------|---|
| | 2. New Facility | WOD | |
| I. OWNER/OPER | ATOR | | |
| 1 | PROPERTIES | | A. Owner/Operator Type: (Check one) |
| Mailing Address: | | | 1. City 2. County 3. State 4. Federal |
| | n Fernando Blvd. | | 5. Special District 6. Government Combo 7. Private |
| City: Los Ang | eles. | | State: Zip: Phone: (213)258-2777 |
| Contact Person: | | | NEIJ LJO LII |
| Mr. Geo | rge Cosby | | 3. 1. Owner 2. Operator 3. Owner/Operator |
| II. FACILITY/SITE | INFORMATION | | |
| Facility Name: | LANDFILL (Closed | | County: (19) |
| Street Address: | | | LOS ANGELES Contact Person: |
| 7361 La | urel Canyon Blvd | | Mr. George Cosby |
| City: | eles | S | tate: Zip: Phone: |
| | ore than 4 apply to facility, enter | additional numbers in S | [C]A 9 16 05 - 213 258 2777 |
| A_8307-0226 | 7 | | |
| A | B | C | D |
| IIL BILLING ADDF | RESS | | |
| Send Billing Statements | To: A. 🖾 Owner/Opera | 8. 🗆 ; | Facility C. C Other (Specify in SECTION IX. B) |
| W. RECEIVING W | ATER INFORMATION | | |
| A. Does your facility's s | torm water discharge directly to: | (Check one) | |
| 1. 🖾 Storm drain sys | | • | |
| Ourse of starre | los | Angolos C. | |
| 2 Dimenti to storm | Crain system: (Name) LUS | Angeles Col | unty Flood Control District |
| 3 Direfrents in unit | rs of U.S. (e.g., river, lake, creek, ers of U.S. | ocean) | |
| w. — morecely to wall | 91\$ 01 U.S. | | |
| B. Name of closest rece | iving water; | | |
| Tujunga | Wash | | |
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| | | | |
| V. INDUSTRIAL IN | FORMATION | | |
| A. SIC Code(s): 4953 | | B. | Type of Business; |
| 1. 199 2 | 3 | | Landfill (closed) |
| C. Industrial activities at | facility: (Check all that apply) | | |
| 1. Manufacturing | 2. Vehicle Mainten | ance 3. Haz | ardous Waste Treatment, Storage, or Disposal Facility (RCRA Subtitle C) |
| 4. Material Storage | | 8. Mat | erial Handling 7. Wastewater Treatment |
| Power Generatio | on 9. Pecycling | 10. Lan | ### 99.22 Other: <u>Closed Landfill</u> |
| | | | NOF1 (12/4/91) |

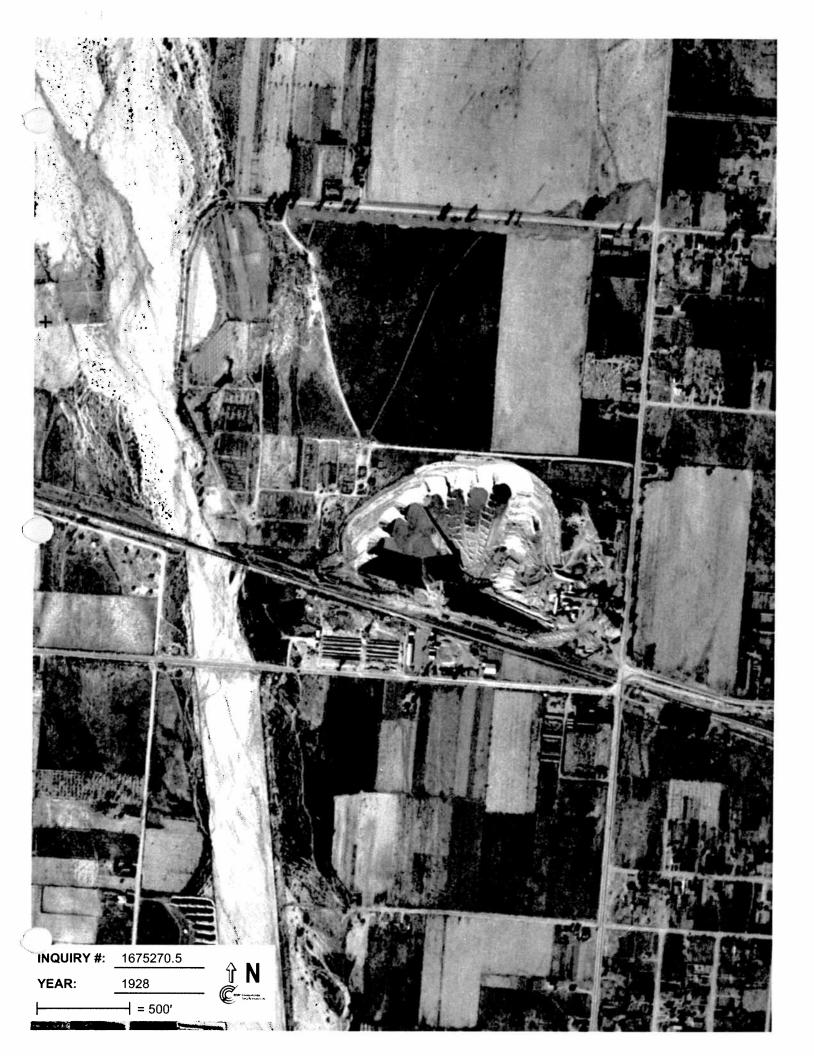
| VI. MATERIAL HANDLING/ | MANAG. | ENT PRACT | ICES | |
|--|---|---|--|--|
| 5. Pesticides 6 | r stored outdo 2. Scrap M 3. Hazardo | etai | that apply) 3. Petroleum Products 7. Paints | 4. Plating Products 8. Wood Treating Products |
| 99. 🖾 Other (Please list) N / A | Vacant | Land | • | |
| B. Identify existing management pra | ctices employ | ed to reduce poil | utants in industrial storm water o | ischarges: (Check all that anoly) |
| 1. OilWater Separator 2 | 2. 🔲 Containn | nent | 3. Berms | 4. Leachate Collection |
| | s. 🗖 Recyclin | 9 | 7. Retention Facilities | 8. Chemical Treatment |
| 99. 1 Other (Please list) | <u>ondens</u> a | te | | |
| | | | | |
| VII. FACILITY INFORMATIO | N | | | |
| A. Total size of site: (Check one) | | B. Percent of si | te impervious: (Including roottop | 3) |
| 18 67.5 Acres | □ Sq. Ft. | 6 | <u>-5-7</u> × | |
| | | | | |
| VIII. REGULATORY STATU | S (Check all | that apply) | | |
| A. Regulated by Storm water | | B. Waste D | ischarge Requirements | C. NPØES Permit |
| Effluent Guidelines | | | | SCAOMD Permit # 164827 |
| (40 CFR Subchapter N) | | (Order Number) | | CA |
| D. ACRA Permit | | E. Regulated | by California, Code of Regulations Chapter 15 (Feedlots), | |
| Number | | Artice 6, | Chapter 15 (Feedsots). | |
| B. Bរ៉ារីរ៉ាថ្វ Information: (Enter Name a | and Address) | | | |
| X. CERTIFICATION | | | | |
| designed to assure that qualified per manage the system, or those person belief, true, accurate, and complete. | sonnel prope is directly res I am aware th nat the provisi | rly gather and ev consible for gathe at there are sign ons of the permit | aluate the information submitted ening the information, the information the information of ificant penalties for submitting fa t, including the development and | tion and supervision in accordance with a system. Based on my inquiry of the person or persons who ation submitted is, to the best of my knowledge and ise information, including the possibility of fine and implementation of a Storm Water Pollution. |
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Appendix D

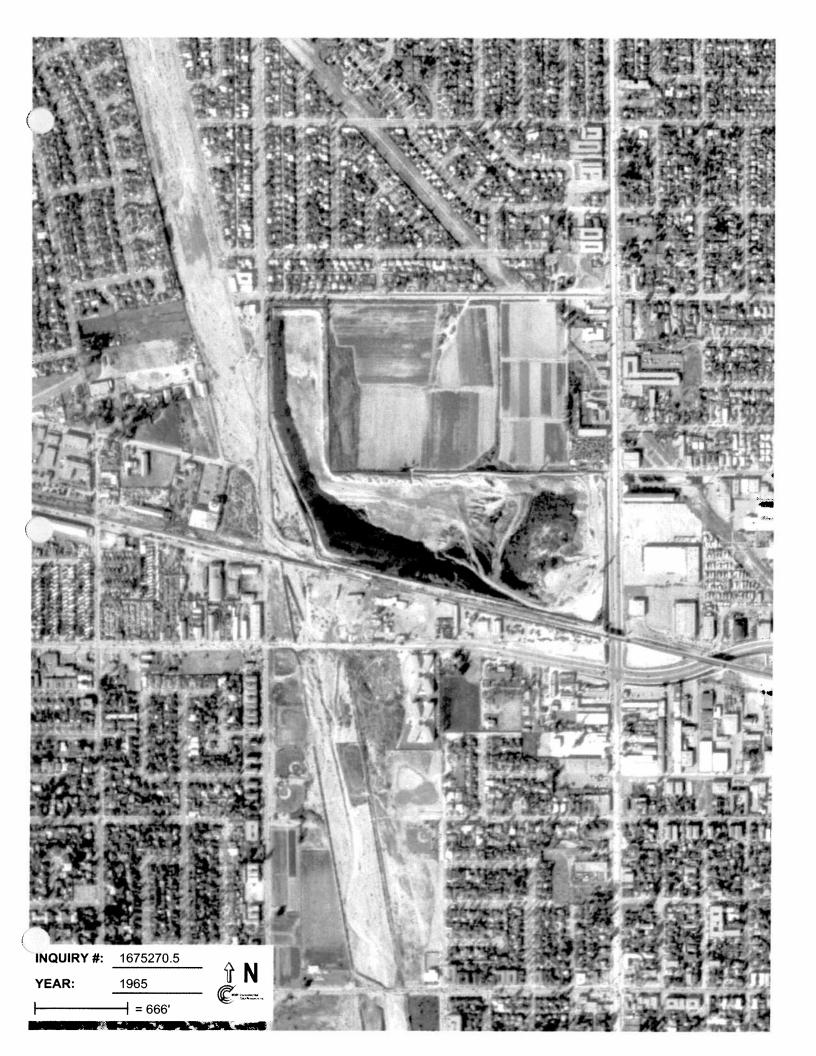
Appendix D Aerial Photographs











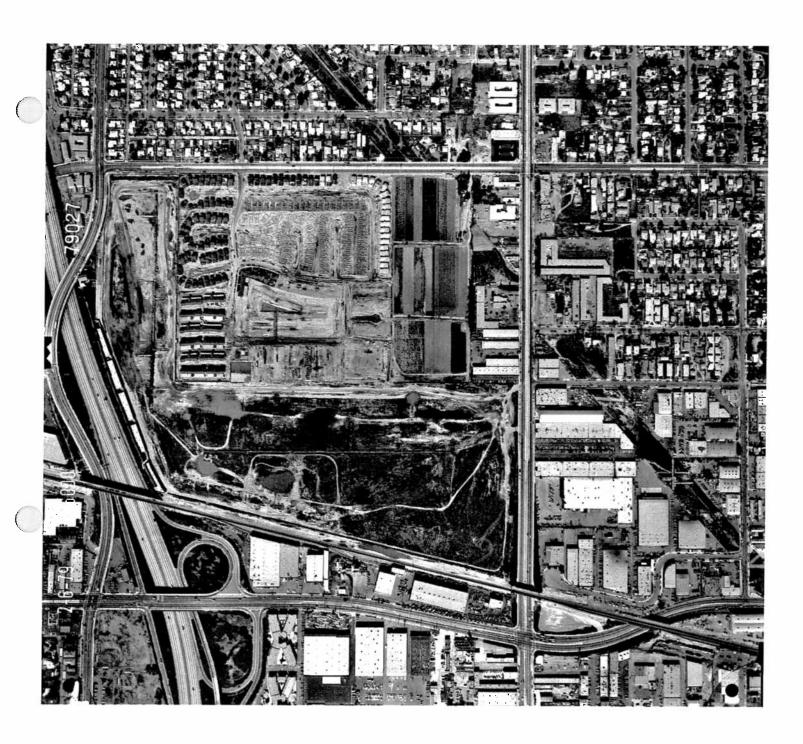










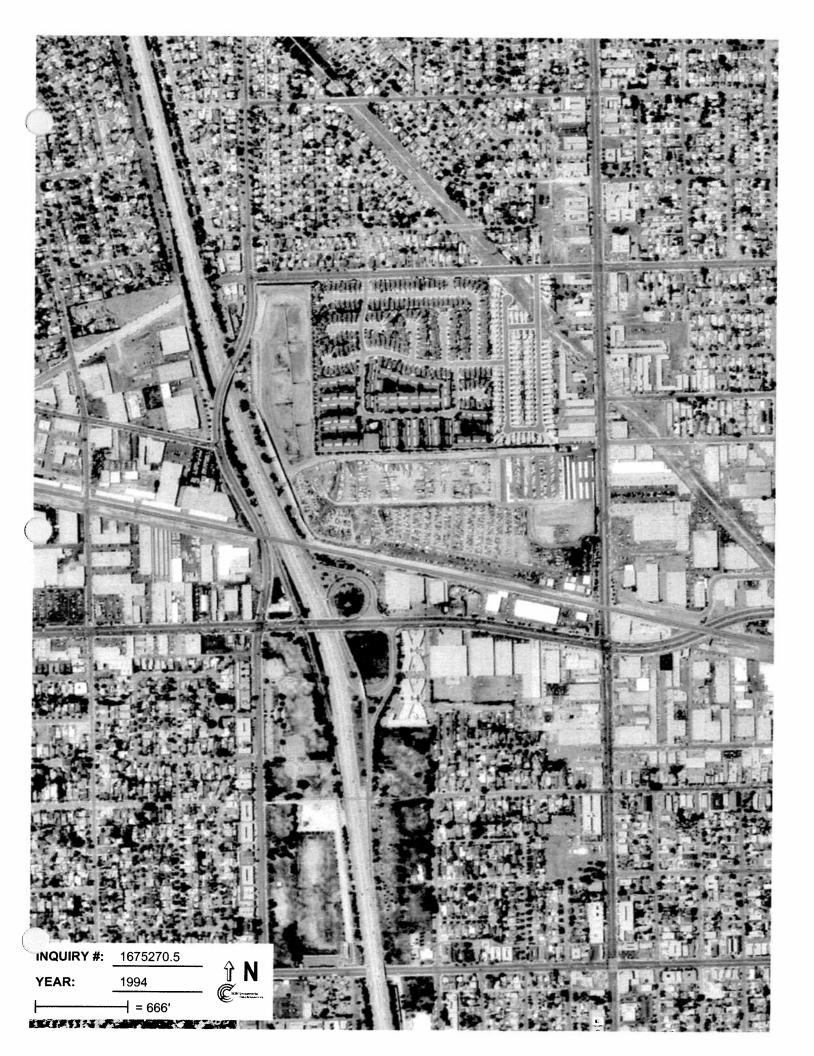










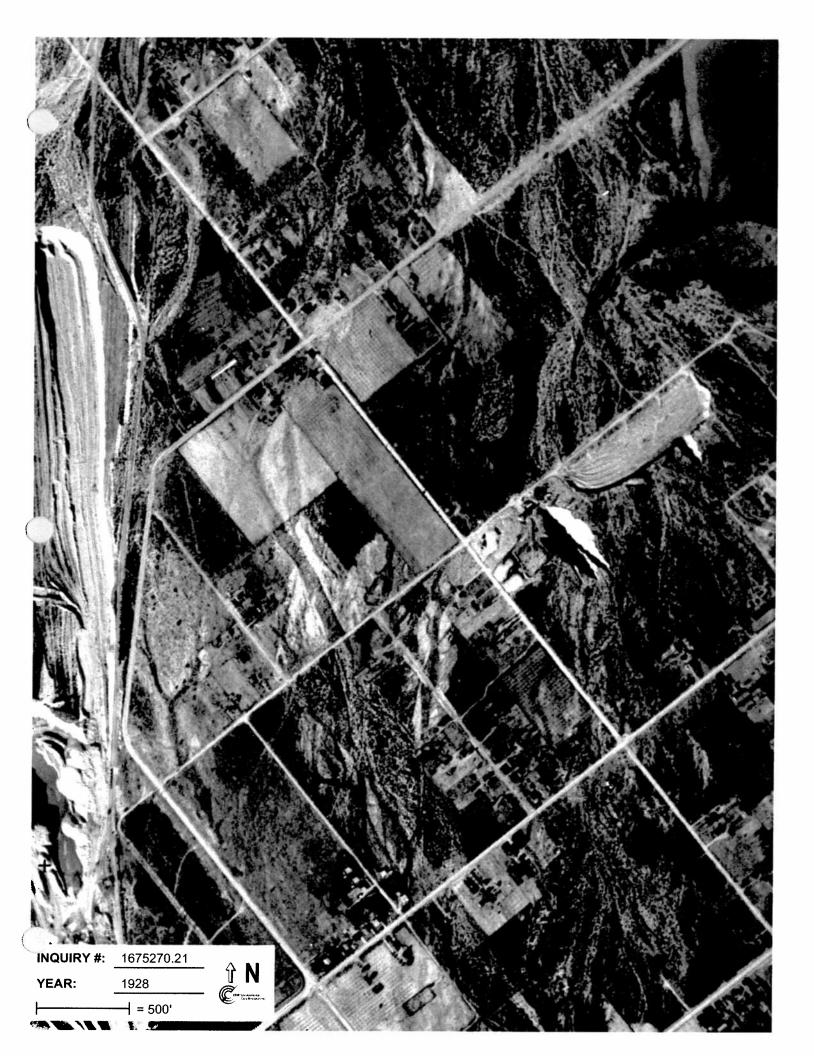




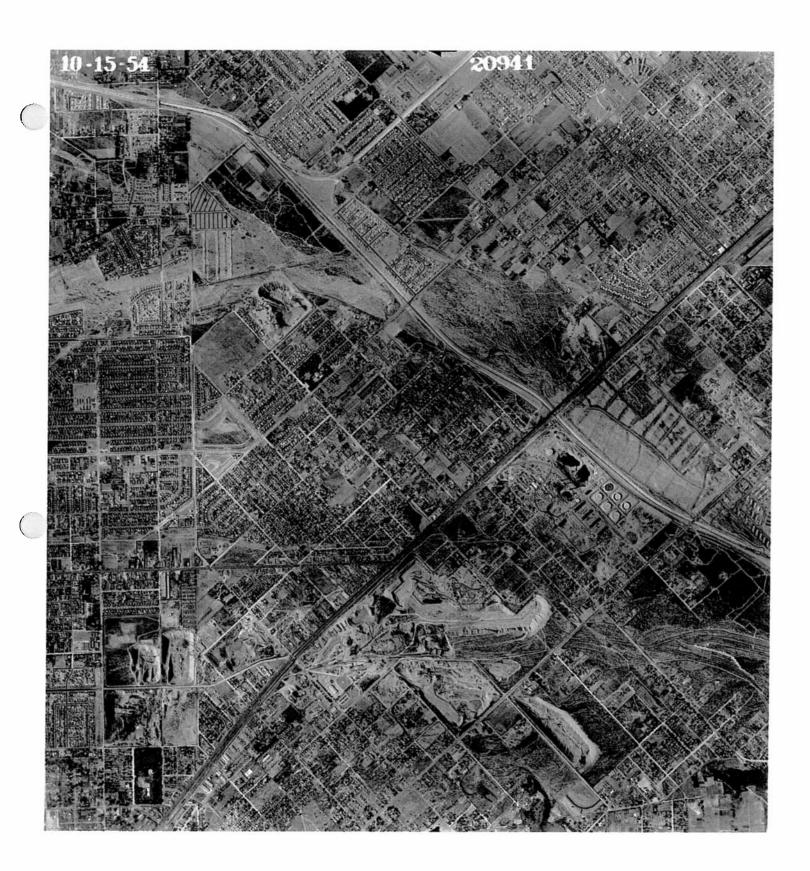
Glenoaks and Tujunga Pick Your Part Facilities



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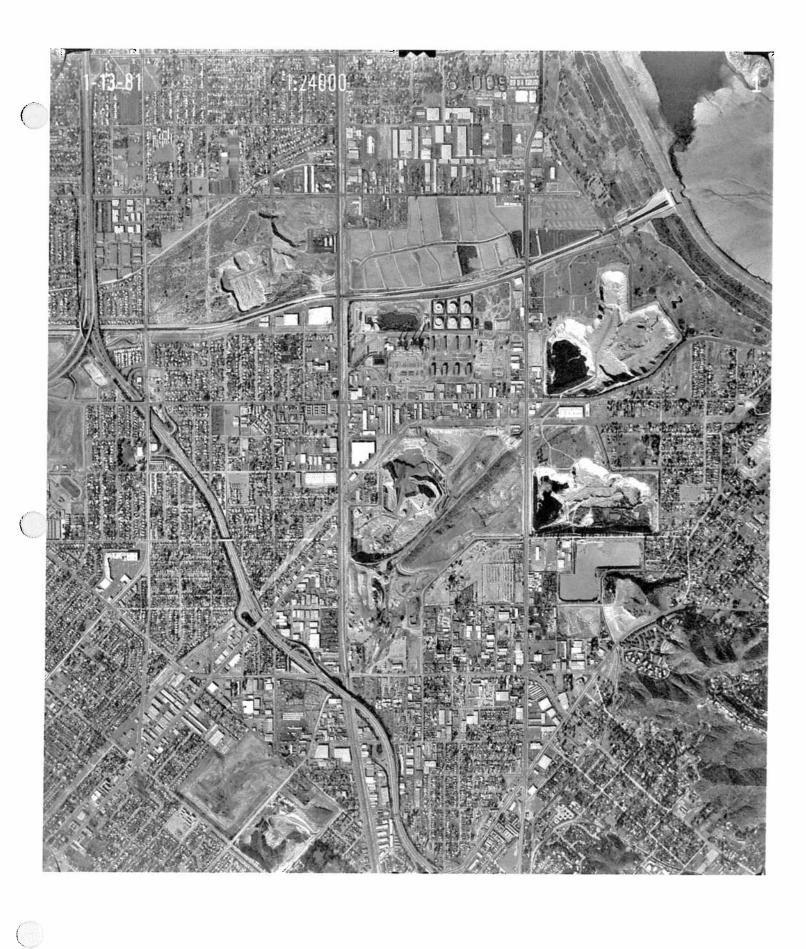














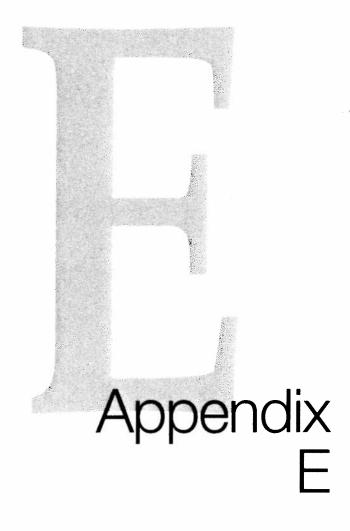












Appendix E Letter Concerning Nonexistence of Groundwater Wells at Glenoaks and Tujunga Facilities

DongellLawrence FinneyClaypool_{ll}

L A W Y E R S WWW.DLFLAWYERS.COM

SOUTHERN CALIFORNIA FORTY FIFTH FLOOR 707 WILSHIRE BOULEVARD LOS ANGELES, CALIFORNIA 90017-3609 SACRAMENTO, CALIFORNIA 95814 TELEPHONE 213.943.6100 FACSIMILE 213.943.6101

NORTHERN CALIFORNIA **SUITE 2130** 980 NINTH STREET TELEPHONE 916.290.5882 FACSIMILE 916.290.6002

May 2, 2006

VIA TELECOPIER AND EMAIL

(415) 947-3553 Massey.Michael@epamail.epa.gov

Mr. Michael Massey United States Environmental Protection Agency 75 Hawthorne Street San Francisco, CA 94105-3901

Re: EPA San Fernando Valley Superfund

Dear Michael:

This letter will provide you with the status of Pick Your Part's efforts to locate and, if possible, reactivate the historical monitoring wells located on the former Benz dump site.

Subsequent to our April 20, 2006, report, our consultant, Geomatrix, completed their review of files available from Pick Your Part and EPA. With EPA's assistance in providing the geographic coordinates of the historic well locations, Geomatrix determined that the wells were not in fact located on the property occupied by Pick Your Part, but on CalMat property. The well nearest to Pick Your Part is at least one quarter mile away from its site. EPA's Project Manager, Rachel Loftin, has confirmed that CalMat has agreed to conduct monitoring for its wells. Ms. Loftin has also confirmed that EPA has withdrawn its February 10, 2006, request to Pick Your Part to conduct quarterly monitoring.

Pick Your Part is continuing in its efforts to obtain public records from the Regional Water Quality Control Board, the Integrated Waste Management Board, the Department of Water Resources, and any other regulatory state entity likely to possess records of the existence and, if applicable, the locations of any monitoring wells onsite.

Mr. Michael Massey May 2, 2006 Page 2

We will report on the status of our investigations on or before May 15, 2006.

Very truly yours,

Christopher T. Johnson, for

DONGELL LAWRENCE FINNEY CLAYPOOL LLP

CTJ:dc

cc: Ms. Cindi Galfin, Pick Your Part

Mr. Richard A. Dongell

Appendix F
File Review Requests to City of
Los Angeles City Fire Department and
Department of Toxic Substance Control

Telephone (212) 978-369) Fax (213) 978-3615 200 N. Main St., 1707 PL. Les Angelts CA 90012 Request for Information Hazardous Materials Records

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TELEPHONE CALL REPORT

CDM

rvironmental engineers, scientists, nners, & management consultants Firm/Office: Fruinc

Date: 5-17-06

Job No: 22517-51079-

EPA 104

Project: Vulcan - Hewitt Landful, Pick Your Part Auto Salvage Yard

Make by/Received by: _______ Distribution:

Talked with: LA City Fire

Date and Time: _5-17-06

Inquired about any Hazardous Waste Business Plans held for Hewitt Landfill and both Pick Your Part parcels (Glenoaks & Tujunga).

No plans exist for Hewitt Landfill or Pick Your Part (Tyjunga).

Pick Your Part (Glenoaks) has plans for:

- . 55 gallon steel drun WASTE COOLANT
- · 55 gallon drum WASTE OIL

(Document I.D. FA35200)

Telephone (213) 978-3691 Fax (212) 978-3615 200 N. Main St., 17th PL. Loss Attrelles CA 98012 Request for Information ... Hazardens Materials Records

| COMPLETE ONE FORM ROR EACH ADDRESS |
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| Eurt Moss |
| Ph. #: (858 ; 268 - 3383 |
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LA CITY FIRE





Department of Toxic Substances Control



Maureen F. Gorsen, Director 1011 North Grandview Avenue Glendale, California 91201

May 19, 2006

Mr. Curt Ross CDM 18581 Teller Avenue, Suite 200 Irvine, CA 92612

VARIOUS SITES PR30518062

Dear Mr. Ross:

We have received your Public Records Act Request for records from the Department of Toxic Substances Control.

After a thorough review of our files we have found that no such records exist at this office pertaining to the sites/facilities referenced below.

- Hewitt Landfill, 7361 Laurel Canyon Blvd., North Hollywood, CA 91605
- Pick Your Part Auto Salvage, 9228 Tujunga Avenue, Sun Valley, CA 91352
- Pick Your Part Auto Salvage, 9361 Glenoaks Blvd., Sun Valley, CA 91352

If you have any questions or would like further information regarding your request, please contact me at (818) 551-2886.

Sincerely,

Jone Barrio

Regional Records Coordinator

California Regional Water Quality Control Board

Los Angeles Region

Terry Tamminen
Secretary for
Environmental
Protection

Over 50 Years Serving Constal Los Angeles and Ventura Counties
Recipient of the 2001 Environmental Leadership Award from Keep California Beautiful

Arnold Schwarzenegger Governor

320 W. 4th Street, Suite 200, Los Angeles, California 90013 Phone (213) 576-6600 FAX (213) 576-6640 - Internet Address: http://www.swrcb.ca.gov/rwqcb4

FAX TRANSMITTAL

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California Environmental Protection Agency

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption

For a list of simple ways to reduce demand and cut your energy costs, see the tips at: http://www.swrcb.ca.gov/news/echallenge.html



Appendix G Construction and Testing of Vadose Zone Monitoring System, Hewitt Landfill (Laurel Canyon Facility) (Law Environmental, 1989)



CONSTRUCTION AND TESTING

OF

VADOSE ZONE MONITORING SYSTEMS
HEWITT LANDFILL
NORTH HOLLYWOOD DISTRICT
LOS ANGELES, CALIFORNIA

Prepared for CALMAT PROPERTIES

Prepared by LAW ENVIRONMENTAL, INC.

PROJECT NO. 58-7057

JANUARY 1989



January 3, 1989

3420 N. SAN FERNANDO BLVD. SUITE 200 BURBANK, CALIFORNIA 91504 818-848-0214 PANAFAX 818-848-1674

CalMat Properties
3200 San Fernando Road
Los Angeles, California 90065

Project No. 58-7057

Attention: Mr. George Cosby

Gentlemen:

This report, "Construction and Testing of Vadose Zone Monitoring System, Hewitt Landfill, North Hollywood District, Los Angeles, California," documents the construction of the vadose monitoring lysimeters for the Hewitt Landfill. The lysimeters are intended for the monitoring program as required by the SWAT Regulations. The wells were successfully installed, however no samples have been recovered to date.

Yours very truly,

LAW ENVIRONMENTAL, INC.

...

Vince Richards Staff Geologist

bν

Glenn A. Brown, C.E.G. 3 Senior Vice President

VR/gla/7057.RPT

(3 copies submitted)



TABLE OF CONTENTS

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|--------------------------------|-----------|-----------|------|-----|-----|----|-----|-----|---|---|---|-----|-------------|
| INTRODUCTION | | • | | • | • | • | | | | • | | • | 1 |
| LYSIMETER CONSTRUCTION | | | | • | • | | | • | | • | • | | 2 |
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| LYSIMETER DETAILS | • | | • | | • | | | | • | | | • | 4 |
| HEWITT DOWNGRADIENT LYSIMETER. | • | | • | • | • | | | • | | • | • | • | 5 |
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CONSTRUCTION AND TESTING

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NORTH HOLLYWOOD DISTRICT

LOS ANGELES, CALIFORNIA

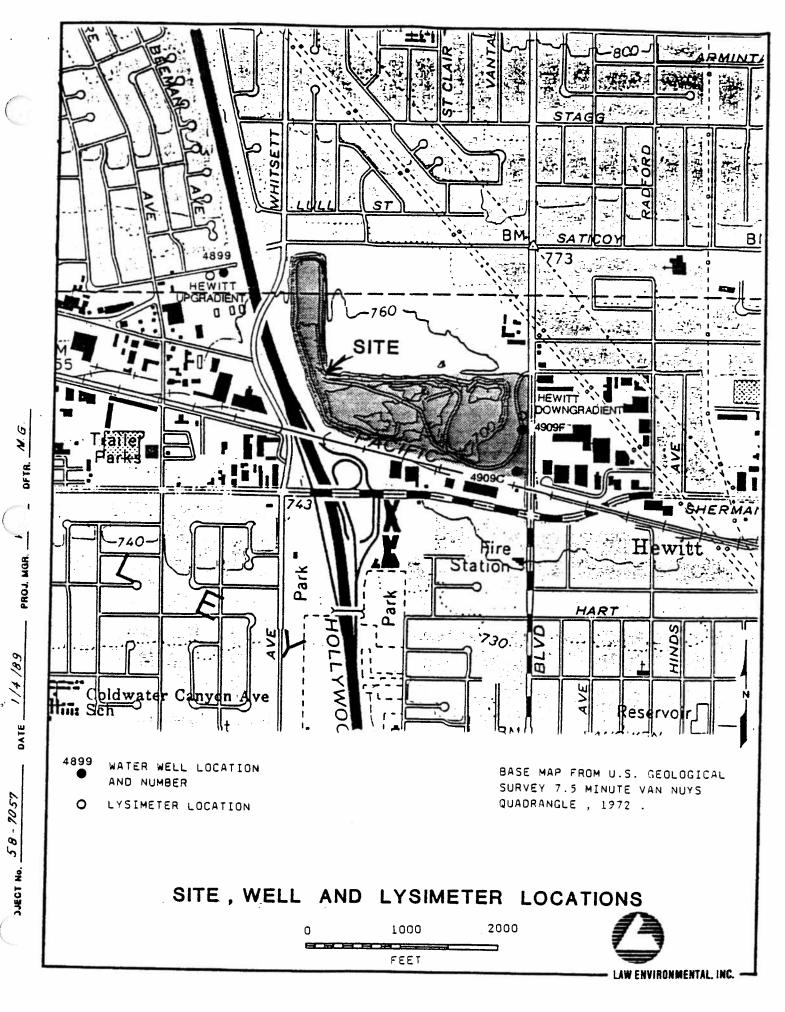
FOR

CALMAT PROPERTIES

INTRODUCTION

This report presents the results of drilling the vadose zone monitoring wells for the Hewitt Landfill in North Hollywood District, Los Angeles, California. Lysimeters were installed based on preliminary specifications described in our Proposal, Solid Waste Assessment Test, (SWAT Proposal), Hewitt Class II Disposal Site, dated March 31, 1988.

The locations of the lysimeters are shown on Figure 1. The lysimeters were installed in native gravel deposits upgradient and downgradient of the site to insure background sampling and sampling that would be influenced by the site. Well drilling and lysimeter installation was provided by Mahaffey Drilling Company, Torrance, California, and Datum Exploration, Long Beach, California. Logging of the alluvial materials penetrated, document-





ation of construction practices and testing were provided by Law Environmental, Inc., Burbank, California. All work related to well design and construction supervision was carried out in accordance with verbal authorization from Mr. George Cosby.

Our professional services have been performed using that degree of care and skill ordinarily exercised, under similar circumstances, by reputable geologists practicing in this or similar localities. No other warranty, expressed or implied, is made as to the professional advice included in this report.

LYSIMETER CONSTRUCTION

HEWITT DOWNGRADIENT

Drilling by Datum commenced on April 11, 1988, using the Failing F-10 auger rig. Twelve-inch flight augers were drilled to 52 feet and pulled for the lysimeter installation. Due to the unconsolidated nature of the gravel formation, the borehole collapsed to 36 feet. Attempts to stabilize the borehole failed and a decision was made to complete the well using 10-inch hollow stem augers. On April 12, 1988, Datum returned to the site and drilled the 10-inch hollow stem augers to a final depth of 52 feet.

The state of the s



Upon completion of drilling, the lysimeter was placed through the auger and backfilled with sand and bentonite as the auger was retracted. Construction details and a lithologic log are shown in Appendix A. Silica flour mixed with distilled water was poured around the lysimeter, and frozen prior to installation to insure a minimum annular thickness of 1-1/2 inches. A lockable steel vault was secured around the lysimeter.

HEWITT UPGRADIENT

Drilling by Datum Exploration commenced on April 26, 1988 using the Failing F-10 auger rig. Ten-inch diameter hollow stem augers were drilled in native gravel deposits to a final depth of 50 feet.

Upon completion of drilling, the lysimeter was placed through the auger and backfilled with sand and bentonite as the auger was retracted. Construction details and a lithologic log are shown in Appendix B. Silica flour mixed with distilled water was poured around the lysimeter, and frozen prior to installation to insure a minimum annular thickness of 1-1/2 inches. A lockable steel street vault was secured around the lysimeter.



LYSIMETER DETAILS

The vadose zone monitoring system installed at the sites consist of a vacuum-pressure tube type lysimeter employed in tandem with a transfer vessel. Both units are manufactured by TIMCO Manufacturing, Inc. of Wisconsin. Details of the units used at each site are shown in Appendix A and B.

The lysimeter body is approximately 2 inches in diameter and 18 inches in length. The body is composed of polytetrafluoro-ethylene (PTFE) with a porous PTFE filter which has an average pore size of 70 microns.

The transfer vessel is situated approximately 1 foot above the lysimeter and is 2 inches in diameter and 18 inches in length. The transfer vessel is utilized to transport the sample from the lysimeter to the surface. This is necessary since the pressure needed to force the sample to the surface from below 25 feet could disrupt the contact area between the silica flour and the PTFE filter on the lysimeter. Very little pressure is required to transfer a sample from the lysimeter to the transfer vessel. The pressure can then be raised in the transfer vessel sufficiently to raise the sample to the surface.



The lysimeter and transfer vessel arrives from the manufacturer as one unit and is approximately four feet in length. At the time of installation, the pressure, vacuum, and sample tubes were attached at the top of the transfer vessel.

HEWITT DOWNGRADIENT LYSIMETER

Clear tygon tubing was utilized to distinguish each line and were numbered as follows:

- #1 0.25" tube Sample evacuation tube
- #2 0.25" tube Transfer vessel pressure or vacuum tube
- #3 0.25" tube Lysimeter pressure & vacuum tube

The tubing is run inside a 1.9-inch threaded casing that extends to the surface and through a 2-inch PVC cap with holes having corresponding numbers that match the tubes.

HEWITT UPGRADIENT LYSIMETER

Colored polyethylene tubing was utilized to distinguish each line and is colored as follows:



- 0.25 Red tube Lysimeter pressure and vacuum tube
- 0.25* Blue tube Transfer vessel pressure or vacuum tube
- 0.25" Clear tube Sample evacuation tube

The second section of the second section is the second section of the section of the section

The tubing is run inside a 1.9-inch threaded casing that extends to the surface.

HYDROLOGIC TESTING

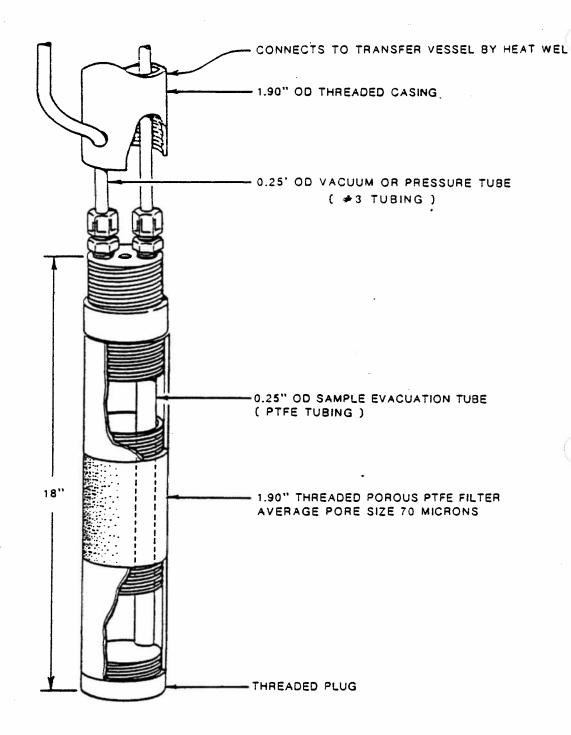
Sampling was attempted on May 6, 1988, and no water was present in either lysimeter. There was always a possibility that a sample would never be recovered due to the high permeability and low moisture content of the alluvial material. If, in the future, only a small amount of water is intercepted by each lysimeter, chemical analyses will be made on a priority basis. Purgeable priority pollutant analyses by EPA 624 method will have the highest priority, followed by chloride, TDS, pH, one or two metals, and then general minerals.



APPENDIX A

CONSTRUCTION DETAILS,
HEWITT DOWNGRADIENT

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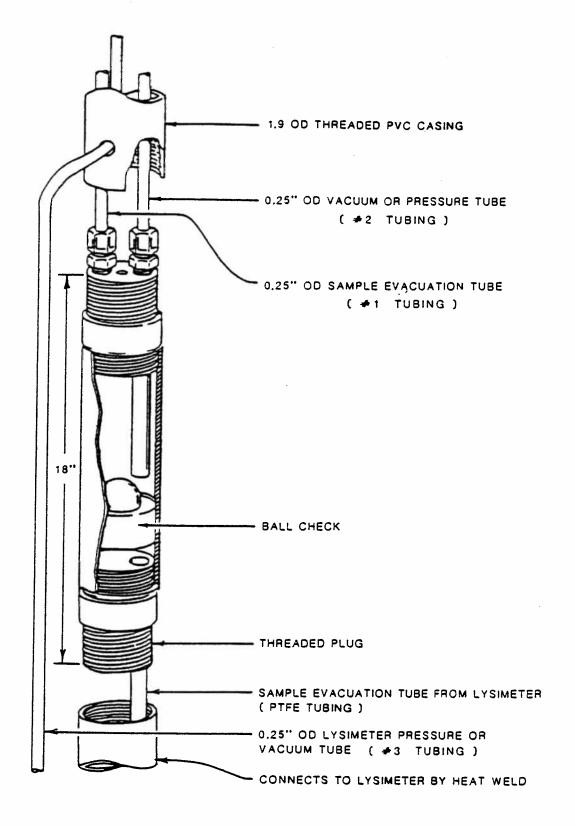


HEWITT DOWNGRADIENT VACUUM PRESSURE LYSIMETER

NOT TO SCALE



LAW ENVIRONMENTAL, INC.



HEWITT DOWNGRADIENT TRANSFER VESSEL

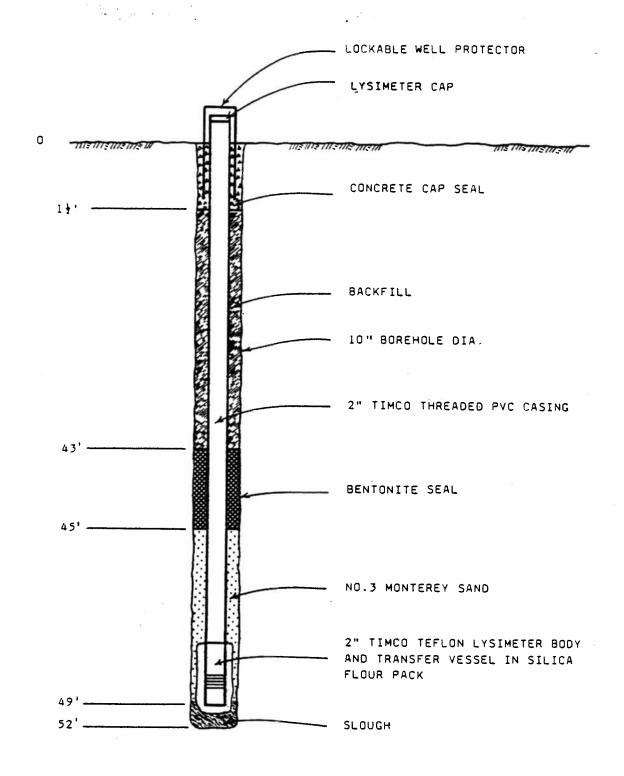
NOT TO SCALE



LAW ENVIRONMENTAL INC.

LITHOLOGIC LOG

| Owner: | | | | | Den i.e. | ct No.:58-7057 | | | | |
|-------------------|-----------|---|---------------------|---------------------------------------|---|--|------------|--|--|--|
| Owner: Drilled | hv: | Datum Expl | loration | | | | Lysimeter) | | | |
| Logged b | | Vince Rich | | | | | -10 | | | |
| Location | | | Yard & Laurel Canyo | n and She | rman Wav | | | | | |
| | Method: | | item Auger | | | 04-12-88 | | | | |
| Borehole | | 52' | | ······ | Borehole Diameter: | 10" | | | | |
| Casing: | - op | *************************************** | | | | | | | | |
| Perforat | ions: | | | · · · · · · · · · · · · · · · · · · · | | | | | | |
| Static W | eter Leve | i: | | | Drawdown: | Yield: | | | | |
| Specific | Capaci ty | | gpm/ft | | Electrical Conductan | ce: | micromhos | | | |
| Ground Elevation: | | | | | Top of Casing Elevation: | | | | | |
| Depth | Sample | Graphic | | | | | | | | |
| (feet) | Interval | | | Descr | iption of Materials | | | | | |
| 10 - | | | SAND AND GRAVEL | cobble and cor | grey fine to coarse gravel. Gravels ar mposed of metamorphi um slightly damp, we | re subangular to r .c and igneous mat | counded | | | |
| 20 - | | | | | | | 1 | | | |
| 30 - | | | | | size decreasing, mos Abundant sand. | tly fine to mediu | m pebble | | | |
| 40 - | | | | | | | | | | |
| 50 - | | 0.000 000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0.000 0. | • | | increasing in abunda epth: 52' | ance. | | | | |
| | | | | | · · · · · · · · · · · · · · · · · · · | | | | | |



LYSIMETER HLS 88-1 CONSTRUCTION DETAILS HEWITT DOWNGRADIENT

NOT TO SCALE

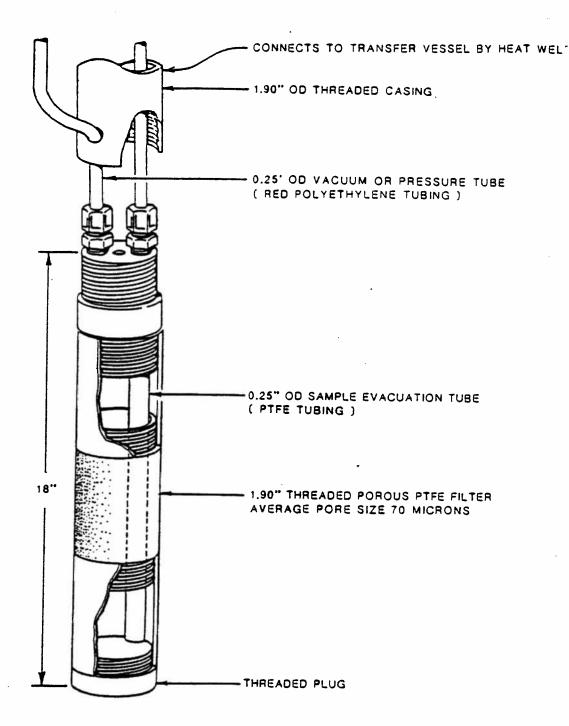


LAW ENVIRONMENTAL, INC.



APPENDIX B

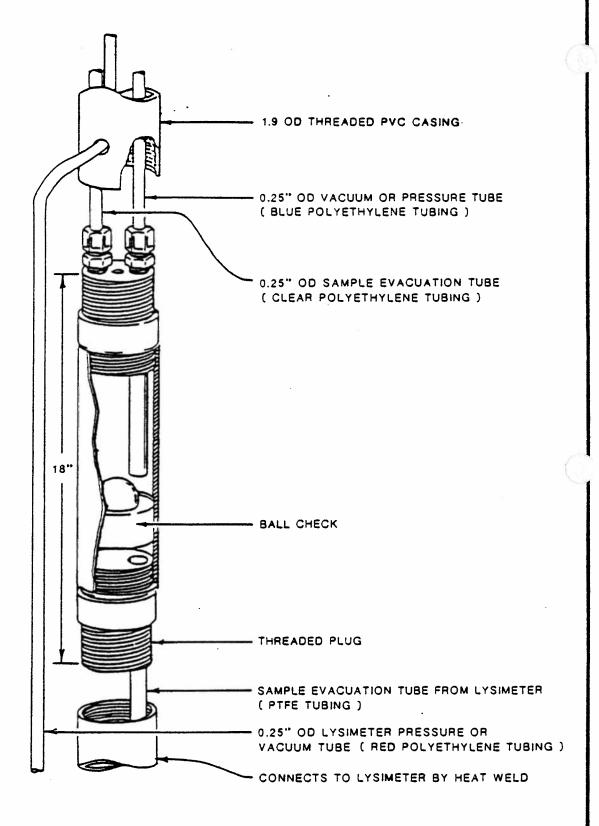
CONSTRUCTION DETAILS HEWITT UPGRADIENT



HEWITT UPGRADIENT VACUUM PRESSURE LYSIMETER

NOT TO SCALE





HEWITT UPGRADIENT TRANSFER VESSEL

NOT TO SCALE

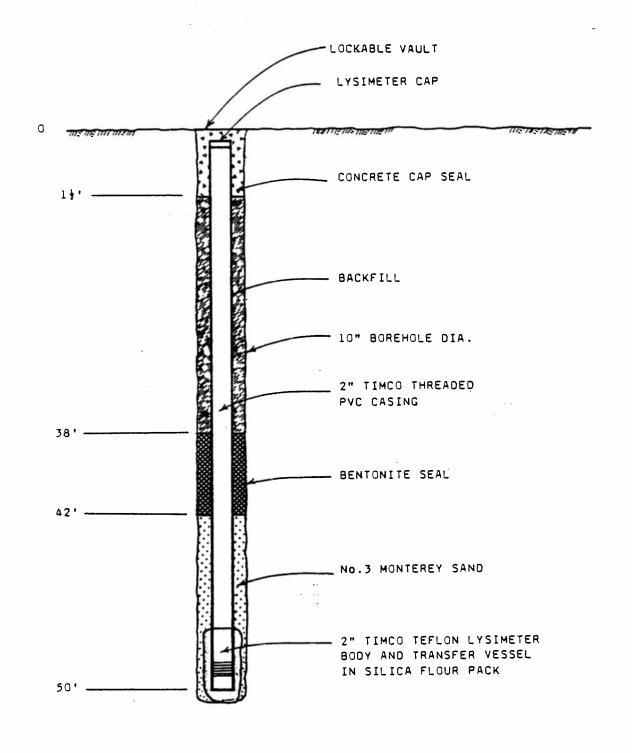


LAW ENVIRONMENTAL, INC.

LITHOLOGIC LOG

| Owner: | | al Mat | | | | | | | |
|-----------------|--------------------|----------------|---------------------|-----------------------------|---|-----------|----------|----------|---|
| Drilled | | atum Expl | oration | | | | ct No.: | | (Lysimeter) |
| Logged b | | ince Rich | ards | | | WELL | NO.: | 123-00-2 | (Lysineter) |
| Location | | aticoy St | . (cul de sac) west | of Hollywo | od Fwy. | | | | |
| Drilling | Method: | Hollo | w Stem Auger | | Date Comple | ted: | 04-26- | 88 | |
| Borehole | Depth: | 50' | | | Borehole Di | | | | |
| Casing: | | | | | | | | | |
| Perforat | _ | | | | | | | | |
| | later Leve | | | | Drawdown: | | | Yield: | |
| | Capacity | | gpm/ft | | Electrical | Conductan | ce: | | micromhos |
| Ground E | levation: | | | | Top of Casi | ng Elevat | ion: _ | | |
| Depth (feet) | Sample Interval | Graphic Log | | Descr | iption of Mat | erials | | | |
| 10 <u>-</u> | | | SANO ANO GRAVEL | gravel. of m e ta | rey fine to Gravels ar morphic and ell graded. | re subanç | gular to | rounded | coarse and composed uvium slightl |
| 30 - | | | | | | | | | |
| 40 - | | | | | | | | | |
| 50 - | | | | Total De | pth: 50' | | | | |

Ö



LYSIMETER HLS 88-2 CONSTRUCTION DETAILS HEWITT UPGRADIENT

NOT TO SCALE



LAW ENVIRONMENTAL, INC.

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT



PERMIT TO OPERATE

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

Permit No. D33194 A/N 164827 Page 1

This initial permit shall be renewed by \$1/\$1 ANNUALLY unless the equipment is moved, or changes ownership. If the billing for annual renewal fee (Rule 301.f) is not received by the expiration date, contact the District.

Legal Owner

ID 3530

Or Operator:

CALMAT PROPERTIES CO. 3200 SAN FERNANDO ROAD LOS ANGELES, CA 90065 ATTN: GEORGE COSBY

Equipment

located at: 7245 LAUREL CANYON BLVD., NO. HOLLYWOOD, CALIFORNIA

Equipment Description:

LANDFILL GAS COLLECTION AND FLARING SYSTEM, CONSISTING OF:

- FLARE, JOHN ZINK, MODEL ZTOF, 8" -0" DIA. X 24" -0" H., 20,000,000 BTU/HR., WITH AN 1. AUTOMATIC SHUTOFF VALVE FOR LANDFILL GAS INLET, FLAME ARRESTOR, UV SCANNER, AND TWO AUTOMATIC TEMPERATURE CONTROLLED AIR DAMPERS.
- EXHAUST SYSTEM WITH A 50 HP BLOWER AND A 50 HP SPANDBY BLOWER VENTING 2. 40 COLLECTION WEELS,
- PORTY-FIVE (45) COMBINATION PROBES/GAS MIGRATION CONTROL WELLS VENTED 3. TO THE EXHAUST SYSTEM.
- INLET SEPERATOR, V101, 2'-6' O.D. X 6'-6' TANGENT TO TANGENT, WITH A 4. CONDENSATE SUMP, 16" O.D. X 2" -10" LONG, PVC.
- 5. CONDENSATE WATER PUMP, P101, 5 HP.

Conditions:

- OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL L DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.
- THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD 2 OPERATING CONDITION AT ALL TIMES.
- THIS EQUIPMENT SHALL BE OPERATED AND MAINTAINED BY PERSONNEL 3. PROPERLY TRAINED IN ITS OPERATION.
- ALL LANDFILL GAS COLLECTED SHALL BE DIRECTED TO THE FLARE FOR COMBUSTION.

PERMIT TO OPERATE

SEF - 20 - 23 HOB 10.00 G.IO CO.....

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

D33194 A/N 164827 Page 2

CONTINUATION OF PERMIT TO OPERATE

- 5. THE TEMPERATURE INDICATOR AND RECORDER FOR THE FLARE SHALL BE MAINTAINED IN GOOD OPERATING CONDITION AND SHALL BE OPERATED WHENEVER THE FLARE IS IN OPERATION.
- 6. WHENEVER THE FLARE IS IN OPERATION, A TEMPERATURE OF NOT LESS THAN 1400 DEGRESS F SHALL BE MAINTAINED IN THE FLARE STACK AS MEASURED BY THE TEMPERATURE INDICATOR AND RECORDER.
- 7. THE FLARE FLAME SAFEGUARD SYSTEM WHICH INCLUDES AN AUTOMATIC BLOWER AND FLARE INLET VALVE SHUTOFF SYSTEM, AND AN AUTOMATIC DIALER SHALL BE OPERATED WHENEVER THE FLARE IS IN OPERATION.
- 8. THE SAFETY SYSTEM SPECIFIED IN CONDITION NO. 7 SHALL BE MAINTAINED IN GOOD OPERATING CONDITION AND SHALL BE TESTED MONTHLY POR PROPER OPERATION AND THE RESULTS RECORDED.
- 9. THE LANDFILL GAS SUPPLY LINE TO THE FLARE SHALL BE EQUIPPED WITH A FLOW INDICATING AND RECORDING DEVICE TO MEASURE AND RECORD THE QUANITTY OF LANDFILL GAS BEING BURNED IN THE FLARE. THIS FLOW INDICATING AND RECORDING DEVICE SHALL BE IN OPERATION WHENEVER THE FLARE IS IN OPERATION.
- 10. THE TOTAL VOLUME OF LANDFILL GAS BURNED IN THE FLARE SHALL NOT EXCEED 1500 SCFM.
- 11. ALL RECORDING DEVICES SHALL BE SYNCHRONIZED WITH RESPECT TO TIME OF DAY.
- 12. ADEQUATE AND SAFE ACCESS TO ALL SOURCE TEST PORTS SHALL BE PROVIDED BY THE APPLICANT WITHIN TWENTY-POUR (24) HOURS OF A REQUEST BY THE DISTRICT TO CONDUCT A TEST.
- THE LANDFILL GAS HEADER SHALL BE EQUIPPED WITH A 3/4" NPT SAMPLE PORT WITH PLUG, LOCATED BETWEEN THE BLOWERS AND THE FLARE TO ALLOW THE COLLECTION OF A LANDFILL GAS SAMPLE, AND TO ALLOW FOR FLOW MONITORING USING A PITOT TUBE.
- 14. THE FLARE SHALL BE EQUIPPED WITH A SUFFICIENT NUMBER OF VIEW PORTS TO ALLOW VISUAL INSPECTION OF THE FLAME HEIGHT AT THE ELEVATION OF THE TEMPERATURE SENSOR LOCATIONS WITHIN THE FLARE AT ALL TIMES. SAFE ACCESS SHALL BE PROVIDED FOR ALL VIEW PORTS.
- 15. THE MAXIMUM FLARE SHELL SKIN TEMPERATURE AT LOCATIONS POUR (4) FEET BELOW AND ABOVE SAMPLE PORTS SHALL NOT EXCEED 250 DEGREES P., EXCEPT IN SMALL ISOLATED AREAS WHERE INTERNAL METAL INSULATION SUPPORTS ARE IN CONTACT WITH THE FLARE WALL. THESE AREAS SHALL NOT EXCEED 300 DEGREES F.

ORIGINAL

9150 FLAIR DRIVE, EL MONTE, CALIFORNIA 91731

D33194 04 A/N 164827

CONTINUATION OF PERMIT TO OPERATE

- 16. THE FLAME IN THE FLARE SHALL REMAIN BELOW THE HEIGHT OF THE FLARE'S OPERATING THERMOCOUPLE AT ALL TIMES.
- ANY BREAKDOWN OR MALFUNCTION OF THE LANDFILL GAS FLARING SYSTEM 17. RESULTING IN THE EMISSION OF RAW LANDFILL GAS SHALL BE REPORTED TO THE SCAQMD DIRECTOR OF ENFORCEMENT WITHIN ONE HOUR AFTER OCCURRENCE AND IMMEDIATE REMEDIAL MEASURES SHALL BE UNDERTAKEN TO CORRECT THE PROBLEM AND PREVENT FURTHER EMISSIONS INTO THE ATMOSPHERE.
- ALL RECORDS REQUIRED BY THIS PERMIT SHALL BE KEPT FOR A PERIOD OF AT 18. LEAST TWO (2) YEARS, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.
- 19. EMISSIONS OF AIR CONTAMINANTS SHALL NOT EXCEED THE FOLLOWING LIMITS:

REACTIVE ORGANIC GASES OXIDES OF NITROGEN CARBON MONOXIDE **PARTICULATES**

20 LBS/HR 1.2 LBS/HR 4.0 LBS/HR 3.6 LBS/HR

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR COPY SHALL BE POSTED ON OR WITHIN 8 METERS OF THE EQUIPMENT.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT CANNOT BE CONSIDERED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF OTHER GOVERNMENT AGENCIES.

EXECUTIVE OFFICER

By Raquel Puerta/Iv October 24, 1990

W DILLEY

CALIFORNIA ENVIRONMENTAL QUALITY ACT

JUL 7 - 1981

JOHN I CORCORAN. CUUNTY CLERK

71. David

BY H. DAVIS. Deputy

HOTICE OF DETERMINATION

(Article V. Section 7: Article VI, Section 11 City CEOA Guidelines) DOCUMENT FILED City Clerk's Office No. 87-163

| approval of the sults in the sta | the ning of the reproject pursuant tute of limitations | on 21152 a) requires local a notice starts a 30-day statut t to Public Resources Code s being extended to 180 da | e of imitations on course. | ودا والتسمية المنظم ومن |
|---|--|---|---|---|
| Bureau of San City of Los A | itation | recriftiy Strip | | TCOUNCY DIETRIE |
| PROJECT TITLE (INCLUDIN Hewitt Landfil PROJECT DESCRIPTION AS | ll Gæs Reco | very System | | CASE NO |
| CONTACT FERSON | 7 161. | Er nethand Gas Reco | nvon flyd. Log An | ice io: |
| Sterling C. Bu | lesch | | LATE TO HOUSE NOT BEEN TO THE PROPERTY OF THE | TEVERHOUSE VOICES |
| This is to advise that o has approved the above | in June 1 e described frage | Detaitment of 1991 _{the} Bureau of Sar ections has made the follo | F Public Works itation was satermaaters | efter Oit in Lot Angin |
| SIGNIFICANT EFFECT | Toro,cot will X Project will | I have a significant effect I not have a significant eff | on the environment ect to the environmen | • |
| MITIGATION MEASURES | √X Milipation : | mcaseres were made a com maasures were not made a | ndit to of prolect at ord condition of prolect ar | val pproval |
| OVERRIDING CONSIDERATION | Statement | of Chemoing Consideration of Chemotory Consideration Consideration Consideration | ns was not adopted. | |
| ENVIRONMENTAL IMPACT REPORT | , | ment Impact Report was of the City Clerk t mental Impact Report was | | |
| NEGATIVE DECLARATION | 1 1 2 2 2 2 2 2 2 2 2 | mer be examined at the | : On selor the City Ci | n was prepared for the erk." was not prepared for the |
| Sterling C. Eug | Ach. Kon | und Title | Semitary Engr. | DATE OF PREPARATION |
| DISTRIBUTION: Part 1 — County Cierk | | OFFIC | E OF THE CITY CLEF | RK (|

Room 395. City Hall 200 N. Main Street

Los Angeles California 90012

Part 4 --- Resp State Agency (if any)

Part 1 — County Clerk
Part 2 — City Clerk
Part 3 — Agency Record

CITY OF LOS ANGELES CALIFORNIA ENVIRONMENTAL QUALITY ACT 1970

| APR 7 1981 | Certified by 2012 | No: 18-378-81 | City Clerk's Office |
|------------|-------------------|---------------|--|
| | Di | EQ Use | |
| | <u>جر</u> ج | 7 1981 | No: 18 378-81 Certified by 1772 APR 7 1981 |

NEGATIVE DECLARATION

(Article 7, No. 4 City EIR Guidelines)

| Council District7 | APR - 7 1981 |
|--|--|
| Lead City Agency Bureau of Sanitation | 2016 |
| Project Title/No. Hewitt Landfill Gas Recov | very System |
| | |
| | |
| Project Location 7245 Laurel Canyon Boulev | vard |
| North Hollywood, CA 91605 | |
| Project Description Construction of 3500 SC | FM Methane Gas Recovery System fr |
| _ the completed Hewitt Sanitary Landf | ill site. |
| Name of Applicant if other than City Agency Gas Rec | • |
| 550 North Rosemead, Suite 201, Paseder | |
| The <u>Director</u> of the Bureau of Sanitati Angeles has determined that this project will not have following reasons: <u>Design of the station mit</u> | ion, Dept. of Pub. Works City of Los a significant effect on the environment for the |
| possible adverse impacts of the project | ct while providing a beneficial |
| energy supply to the surrounding popul | lace. |
| | |
| Initial Study prepared bySterling C. Buesch | (use additional sheet if necessary) |
| Copy may be obtained from Bureau of Sanitati | 00 0 7410 00 |
| Signe | Director, Bureau of Sanitation |
| Name of possess and services Starling C | 3/26/8/ |
| Name of person preparing this form Sterling C. | |
| Title | Principal Sanitary Engineer |

Response to Comments on Negative Declaration Circulation

State Department of Conservation

Comment:

"Forty-two wells have been drilled in the landfill, yet there is no map showing locations or any description of the well completions. For future projects, maps and well completion description should be included as a part of the proposal, along with a landfill gas analysis. In addition to methane, many gases, such as H₂S, are present and probably should be identified."

Response:

The proponent of the project will provide a map showing existing and proposed new well locations. Results of a sample analysis of gas extracted from the landfill taken on January 26, 1981 had been furnished to the Bureau of Sanitation and will be furnished to the Department of Conservation.

County of Los Angeles Department of County Engineer Facilities, Sanitatio

Comment:

The document addresses most environmental concerns; however, it would appear that some measure should be taken to safe-guard the equipment used at the facility so that its use would not be interfered with."

Response:

The proponent will install at a minimum, an eight-foot chain link fence topped with three strands of barbed wire around the facility to keep unauthorized individuals from entering the main processing area and possibly interfering with the operation of the unattended equipment.

Los Angeles County Flood Control District

Comment:

"The alignment of the recovery pipeline should be coordinated with the District's proposed Roscoe Boulevard drain and retention basin aligned generally as shown on the attached sketches.

A potential conflict may arise over the vertical alignment at the apparent intersection of the two lines in Roscoe Boulevard. Preliminary plan and profile drawings are available through the flood plain section of Program Management Division."

Response:

The Department of Water and Power will study the preliminary plans and profile of the County's proposed drain and retention basin at Roscoe Boulevard to locate potential interference and conflict with the gas transmission pipeline. The gas pipeline will be rerouted as necessary. This would add details to the pipeline design; however, it will not affect the environmental concerns involved with the project.

SCB R&P

(TI)

Respectfully submitted,

JACK M. BETZ, Director Bureau of Sanitation BUREAU OF SANITATION

Report No. 3 July 6, 1981

Honorable Board of Public Works of the City of Los Angeles

NEGATIVE DECLARATION APPROVAL AND AUTHORIZATION TO ISSUE A PERMIT AND SPECIAL CONDITIONS FOR THE HEWITT LANDFILL GAS RECOVERY SYSTEM

RECOMMENDATIONS

That your Board:

- Approve the Negative Declaration for the Hewitt Landfill Gas Recovery System and instruct the Director, Bureau of Sanitation to process and file all necessary environmental documents with the City Clerk and the County Clerk to fulfill the City's CEQA guidelines.
- 2. Authorize the Director, Bureau of Sanitation to prepare and issue a revocable permit with the special conditions for the gas control system to be located on the Hewitt Sanitary Landfill in Sun Valley, California.

TRANSMITTAL

Six copies of Negative Declaration (SB 279-81) for the Hewitt Landfill Gas Recovery System dated April 7, 1981.

RECITAL

The proponent, Gas Recovery System, Inc., plans to extract with a multigas well system 3,500 scfm of methane gas from the completed Hewitt Sanitary Landfill. The gas will be processed and pumped three miles away as fuel to the Los Angeles Department of Water and Power's Valley Generating Plant by way of a gas transmission line which the Department plans to build. The gas pumping station, part of the project, consists of gas dehydration and compressor units. Sufficient station space is available to accommodate expansion of the system.

The facility will be located on a 63-acre site at 7245 Laurel Canyon Boulevard. The properties surrounding the site are predominantly industrial (M-2 zoning); however, about one-fourth of the adjacent lots are residential. The adverse environmental impacts of the project are potential degradation of air quality through the emission of fumes, dust and odors, risk of explosion, noise, and soil settlement. The design of the project mitigates to acceptable levels all possible adverse impacts of the project. The beneficial environmental impacts of the project are providing an energy supply and controlling landfill gas migration to surrounding properties.

DEPARTMENT OF PUBLIC WORKS

BUREAU OF SANITATION

Report No. 3
July 6, 1981

Page 2

The Bureau of Sanitation will review the plans for the project to assure that they are in conformance with established design standards for gas extraction facilities.

A Negative Declaration for the project was filed with the City Clerk on April 7, 1981, and circulated for a 30-day review period. The notice of the Negative Declaration was published in accordance with the City's CEQA guidelines.

During the review period, the Bureau received no comments, either written or oral, from interested citizens within the project area. The Bureau did receive communications from several responsible agencies during the official circulation of the Negative Declaration. These comments were incorporated into the final Negative Declaration and, where appropriate, into the proposed permit, and/or incorporated into the final project design.

Response to Comments on Negative Declaration Circulation

State Department of Conservation

Comment:

"Forty-two wells have been drilled in the landfill, yet there is no map showing locations or any description of the well completions. For future projects, maps and well completion description should be included as a part of the proposal, along with a landfill gas analysis. In addition to methane, many gases, such as H₂S, are present and probably should be identified."

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County of Los Angeles Department of County Engineer Facilities, Sanitation Division

Comment:

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DEPARTMENT OF PUBLIC WORKS

BUREAU OF SANITATION

Report No. 3
July 6, 1981

Page 3

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SCB R&P (TI)

Respectfully submitted,

JACK M. BETZ, Director Bureau of Sanitation

CITY OF LOS ANGELES CALIFORNIA ENVIRONMENTAL QUALITY ACT 1970

INITIAL STUDY

(Article 7, No. 1 — City EIR Guidelines)

| Council District 7 | | Date_ | APR - 7 | 1981 |
|---|--|---|--|---|
| Lead City Agency Bureau | of Sanitation | _ | | |
| Project Title/No. Hewitt | Landfill Gas Recovery | System | | |
| Project Location 7245 L | aurel Canyon Boulevard | | - | |
| North | Hollywood, CA 91605 | | | |
| from the completed in Department of Water The plant is located construction of a gas consits of dehydratic space to allow for a Description of present environment on the completed language dehydration and on an existing concribiotation on Figure 4 | oject: The proponent, Gom a multi-gas well systewitt Sanitary Landfill and Power's Valley Stead three miles from the as transmission line. The expansion of the system expansion of the system and setting: The existing compressor units will be set alab shown as the part of the ficant fauna and flora | tem 3500 scfr l for use at am Generation facility, and the gas pumpi sor with suff ag gas wells as may be dri be skid mount proposed pump | m of met the Los n Plant. d will r ing stat ficient are plac lled); ted and p ing plan | hane gas Angeles equire ion station ced the placed |
| Possible environmental impact Adverse: Dust, fumes noise and e | , odors, air quality e | ettlement, w | ater qua | ility, |
| Beneficial: Developmigration | ment of a new energy so on beyond boundaries of | urce, preven | tion of | gas |
| Mitigation Measures: | Required SCAQMD permit (Air Quality). Region Board and Los Angeles by pass valves to flat of facility and site control) facility encountries and aesthetic) | DWP approval | ality Co ls (Wate daily | entrol er Quality); inspection |
| 9 | EIR Negative Declaration | | ned | (|
| Estimated cost of preliminary an | d planning expenses \$ | | | |
| Name of person preparing form | Sterling C. Buesch A | pproved by Ja. Assist D | das U | Somet |

BURLAU OF SEMILATION

ENVIRONMENTAL CHECKLIST FORM

(To be completed by Lead City Agancy)

| | | (To be completed by Lead City Agency) | | | |
|---------|------------|---|---------------|-----------|----------|
| (I. | BACI | KGROUND | | | |
| •• | r. | Name of Proponent GAS RECOVERY SYSTEMS, INC. | 351-9 | 9643 | |
| | 2. | Address and Phone Number of Proponent (213) 550 North Rosemead Boulevard, Suite 201 Pasadena (A 91107) | | | |
| | 3. | cubmitted 3-25-81_ | | OF SAN | ITATION |
| | 4. | Paguiring Checklist CITY OF LOS ANGELES | BUKEA | S RECOVER | = RY |
| | 5. | Name of Proposal, if applicable HEWITT LANDE | | | |
| ï. | ENV (Ex | TRONMENTAL IMPACTS planations of all "yes" and "maybe" answers tached sheets.) | are YES | requir | ed on |
| | | • | | | |
| | 1. | Earth. Will the proposal result in: | | | |
| Ċ | | a. Unstable earth conditions or in changes in geologic substructures? | | | <u>x</u> |
| | | b. Disruptions, displacements, com- paction or overcovering of the soil? | | | <u>x</u> |
| | | c. Change in topography or ground surface relief features? | | | <u>x</u> |
| • | • | d. The destruction, covering or modification of any unique geologic or physical features? | : | | <u>x</u> |
| | | e. Any increase in wind or water erosion of soils, either on or off the site? | | | <u> </u> |
| | • | f. Changes in deposition or erosion of beach sands, or changes in siltation, deposition or erosion which may modify the channel of a river or stream or the bed of the ocean or any bay, inlet or lake? | | | <u> </u> |
| (| _ | g. Exposure of people or property to geologic hazards such as earthquakes, landslides, mudslides, ground failure or similar hazards? | | | <u> </u> |

2. Air. Will the proposal result in:

CALIFORNIA WASTE MANAGEMENT BOARD

1020 NINTH STREET, SUITE 300 SACRAMENTO, CALIFORNIA 95814



January 28, 1983

Mr. George Cosby Vice President and General Manager Valley Reclamation Company 3200 San Fernando Road Los Angeles, CA 90065

SUBJECT: RCRA Open Dump Inventory - Hewitt Pit Closed Landfill

Dear Mr. Cosby:

Thank you for forwarding copies of your landfill gas report and Hydrogeolic Data Study as well as the Background Report for the Hewitt Pit closed landfill. After reviewing these reports we have the following observations:

- 1. The landfill gas report reflected monitoring of probes conducted during January through September, 1982. Although the monitoring reflected landfill gas concentrations at mostly zero percent, we need to know the location and depths of the probes and their relationship to the control system.
- 2. Contrary to information supplied in the Hydrogeolic Data Study, a 1977 report by the Los Angeles County Department of Water and Power states that the bottom elevation of Hewitt Pit is 621 feet with high groundwater elevation shown at 646 feet. This would imply that groundwater may reach and exceed the elevation of the pit bottom by as much as 25 feet. Based on these figures inundation of waste material would occur, resulting in water quality degradation.
- 3. While no gross groundwater contamination is reflected in the monitoring information contained in the Hydrogeolic Report, the data show an increasing trend in some constituents.

If you could supply the additional data mentioned above on the landfill gas monitoring probes, we may be able to change the safety/gas indeterminate to compliance. However, the groundwater criterion will remain indeterminate because of the chance that saturation could occur in the lowest levels of the fill, and that, in time, the groundwater could become

If you have any questions, please contact Mary Coyle at (916) 322-2674.

Sincerely,

John K. Bell, Chairman RCRA Open Dump Inventory Committee

Ken Kasner

L.A. City Bureau of Sanitation

MCoyle: lal



CalMat Properties Co.

January 4, 1989

Ms Linda Lee, Air Quality Engineer South Coast Air Quality Management District 9150 Flair Drive El Monte, CA 91731

Subject: Solid Waste Assessment Test

(SWAT) Report for the Hewitt Landfill

Dear Ms. Lee:

This SWAT Report is being submitted to satisfy requirements of California Health and Safety Code Section 41805.5. The report was prepared by the firm of Mandeville & Associates (M&A). If you require additional information in order to complete your evaluation of this report, please contact our consultant directly at the following address:

Mandeville & Associates a Division of Kleinfelder, Inc. 526 Hofgaarden Street Industry, CA 91744

Attention: Ms. Lenda Doane, Project Manager (818/369-2224)

Very truly yours,

George Cosby Vice President

Enclosure

cc: Lenda Doane, Mandeville & Associates

ADRUPL ATE
Relain This Copy

DIVISION OF WATER RESOURCES
P. O. BOX 1079
SACRAMENTO 5. CALIFORNIA

STATE OF CALIFORNIA DEPARTMENT OF 1 JBLIG WORKS

DIVISION OF WATER RESOURCES

WATER WELL DRILLERS REPORT

| Do Not Fil. | |
|----------------|--|
| State Well No. | |
| Other Well No. | |

| | \ | 76, 7077, 7078, Water Code) | | Other Well No. Region. | |
|-----|---|--|--|---|------------------------------------|
| (1) | | ering | (2) Proposed use or a Domestic Irrigation Domestic and Irrigation Other | ses (check): (3 Municipal Industrial Test well |) Equipment used |
| | Address 2730 South | d Rock Products Alameda Street, 54, Calif. | (4) Type of work (c New well * Deepening existing | Reconditionin | g of well 🗌 |
| (5) | Well log: Total depth of well | stone, hardpan, rock. Inclu | s penetrated, such as silt, pe ude size of gravel (diameter ose, packed, cemented, soft, |) and sand (fine, me | |
| | 0 ft. to 30 ft 30 " " 66 " 65 " " 74 " 74 " " 76 " 76 " " 104 " 104 " " 107 " 114 " 122 " 112 " 126 " 126 " " 128 " 128 " " 144 " 144 " " 186 " 186 " " 212 " 212 " " 270 " 285 " " 290 " 290 " " 326 " | Sand & grave ditto Clay Sand-gravel Clay Gravel Clay Gravel Clay Gravel Clay Sand & grave Sand & grave Sandy clay s Gravel | - boulders up to the come gravel | ;o 6** | |
| | 270 " " 284 " " " " " " " " " " " " " " " " " " " | Clay | | | |
| (6) | If additional space is required, co | ntinue on DWR Form No. 2 | 46—Supplement, and atta- | ch to respective repo | ort copies. |
| | LENGTH DIAMETER INCHES 324 16 | SINGLE, DOUBLE, WOTHER double | | R FOOT OR OF CASING GR | SEATING BELOW OUND SURFACE, FT. |
| , | Type and size of shoe or well ring | Welded joints— Yes | s No | *************************************** | |

Relath

PIVISION OF WAYER RESOURCES

P. O. BOX 1079

SACRAMENTO 5. CALIFORNIA

WATER WELL DRILLERS REPORT

(Sections 7076, 7077, 7078, Water Code)

| Do Not Fill In |
|----------------|
| State Well No. |
| Other Well No. |
| Region |

| (7) | Perforations: | | | | | |
|------|---|--|--------------|---------------------|---------------------|---|
| ` , | Type of perforator used | Wills | | | | |
| | Parformed 230 | ft. to 270 | ft Hole | size 3/8" x | 2" No of hole | 306 |
| | " <u>300</u> | | ,, ,, | " 3/8" » | 2" " " " | 126 |
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | » » | | ,, | ,, ,, ,, | |
| | ,, | ,, ,, | | ,, | " " " | |
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | " " | ,, ,, | ,, | ,, ,, ,, | |
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| | *************************************** | ,, ,, | | ,, | | *************************************** |
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| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | ,, ,, | | ,, | | |
| | ,, | , ,, ,, | ,, ,, | ** | », » » | |
| (8) | Water levels: | (| 9) Well pun | nping test: | | |
| (0) | | | | | i Ormani | Yes |
| | Depth at which water | 104 | Date of te | st | rted | 140 |
| | | 186 ft. | Depth to v | vater when test sta | irtea | 410 |
| | Depth to water | 186 | | | vel | |
| | | 186 ft. | Drawdowi | i from standing le | t | |
| | Depth to water | 71.0 | G.P.M. at | completion of tes | -tact | 174 ft. |
| | | 148 ft. | Drawdowi | i at completion of | 3 day | |
| | Note any change in water | | | | normal | |
| | | | - | resent in water? [| | |
| (10) | General: | | | | | |
| | Was well gravel packed | Size of | rock | тТ | hickness of pack | |
| | Was a surface sanitary s | eal provided? | | | * | |
| | | igainst pollution? 🗌 Yes 📜 I | | | | |
| | | | | | | |
| | | ater? Tyes 🛣 No If yes, a | | | | |
| | Was electric log made of | well? Yes No If yes, a | ittach copy. | | | |
| | If well abandoned, was | it plugged and sealed? | | ,,,,, | | |
| | Method of plugging and | d sealing | | | | |
| (11) | Location: | | (12) | Time of work | : | |
| | North | Section No. | | Work started da | te 10/20/52hm | pleted date 11/28/5 |
| | | Township | | Date of this rer | ort 11/28/5 | 2 |
| | | Range | | | | |
| | | Base & Meridian | | WELL DRILLE | R'S STATEMENT | : |
| | | Show location of wel | | | | y jurisdiction and this |
| | | tion, thus (×) | | | the best of my kno | |
| | | Distances to section li | | [CICNED] | Saundere Re | 20 B - |
| | | well, N or S | | [SIGNED] | Well Drill | 08 ₀ |
| | | and E or W | | | | |
| | | Show location of | | <i>Dy</i> | | lassificationA=8C >7 |
| | | known well, thus (Distance to nearest | | Licens | e No 9858 Cl | lassification A=SC >7 |
| | I MILE | well ft. | | Datad | November 28 | th. , 19 52 |
| | | well it. | | ま ノ は し し し し し | | · |



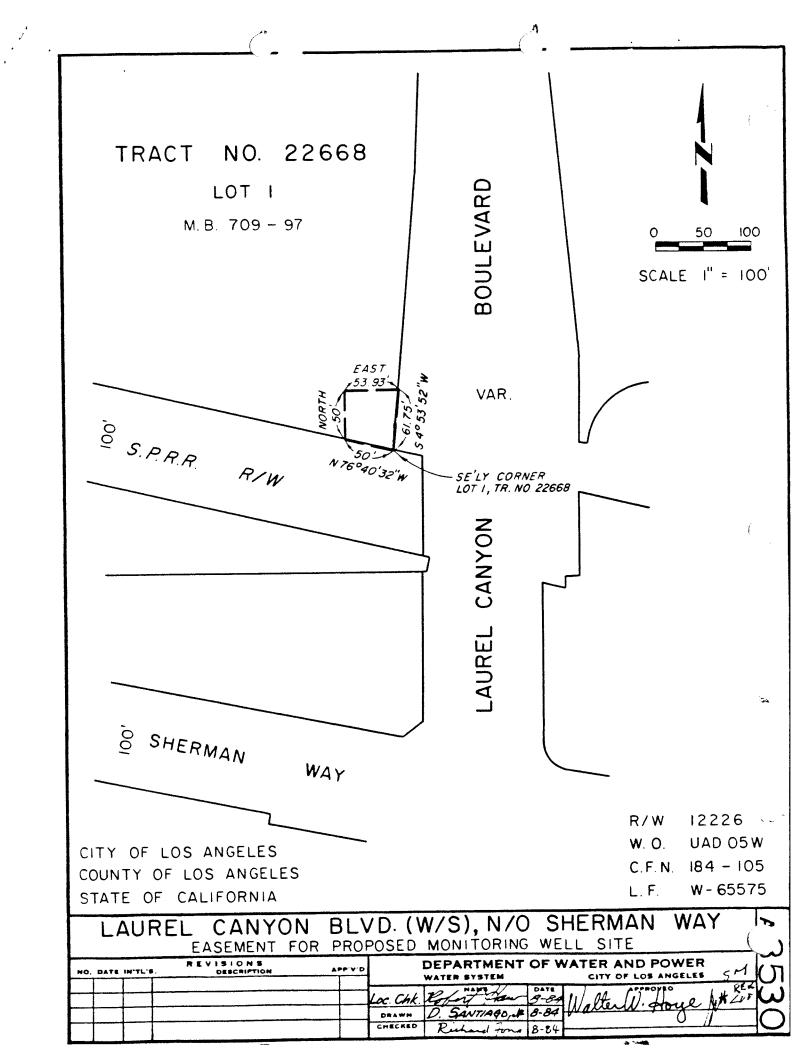
ARFA SUPV.

CalMat Co

CHANGE NOTICE NO. 28

EFFECTIVE 10-2 18 84

| | CALMAT CO DIVISION | Conrock | | - |
|-----|---|---|------------------|------------------------------------|
| (1) | SITE NAME | 023-05-03 | | |
| | CITY Los A | ngeles | | |
| | PERMANENT SITE NO. | COST CENTER OR O | PERATING NO. | TAX PARCEL NO. |
| | 023 | | | Portion 2307-220-10 |
| | NATURE OF CHANGE | | | GROSS ACRES 0.06± |
| (2) | Grant of Easemer | 1t | | NET ACRES 0.06± |
| 3 | City of Los Ange | er 2, 1984, CalMaeles for constructions | tion and operati | easement to the on of a water well |
| 4 | BRIEF PROPERTY DESCRIPT See attached map | | | |
| | DISTRIBUTION: WM. JENKINS A.F. GERSTELL M.J. KERSTETTER R. EVANS S. WILCOTT W.A. SLEEPER T. KELLEHER W. BASSETT P. POULSEN | C.C.ssy | | 11-15-84 Y MANAGER |



Department of Water and Power



TOM BRADLEY
Mayor

Commission
JACK W. LEENEY. President
WALTER A. ZELMAN. Vice President
RICK J. CARUSO
ANGEL M. ECHEVARRIA
CAROL WHEELER
JUDITH K. DAVISON, Secretary

PAUL H. LANE, General Manager and Chief Engineer NORMAN E. NICHOLS, Assistant General Manager - Power DUANE L. GEORGESON, Assistant General Manager - Water NORMAN J. POWERS, Chief Financial Officer

October 15, 1984

Our File W-65575

Calmat Company 3200 San Fernando Road Los Angeles, California 90065

Attention Mr. George Cosby

Gentlemen:

Enclosed is a fully executed Easement Deed granting permission to the Department of Water and Power to drill, construct and maintain a water well for the monitoring of groundwater on your property located at Laurel Canyon Boulevard and Sherman Way.

Please acknowledge receipt of the Deed on the enclosed copy of this letter and return the copy for our files.

Thank you for your cooperation in this matter.

Very truly yours,

LEE MOUSSAFIR

Chief Real Estate Officer

DB:gr

Enclosures

WHEN RECORDED, MAIL TO: Department of Water and Power Land Division P. O. Box 111, Room 1203 Los Angeles, California 90051

EASEMENT DEED

CALMAT CO. fka
/CONROCK COMPANY grants to the CITY OF LOS ANGELES, a municipal corporation,
an easement and right of way to drill, construct, maintain, and operate a water
well, together with appurtenant structures and equipment, for the purpose of
monitoring groundwater upon the real property in the County of Los Angeles, State
of California, described as follows:

That portion of Lot 1 of Tract No. 22668 in the City of Los Angeles, County of Los Angeles, State of California as per map recorded in Book 709, Page 97 of Map Records in the office of County Recorder of said County, within the following described boundaries:

Beginning at the southeasterly corner of said Lot 1; thence North 76° 40' 32" West 50 feet; thence North 50 feet; thence East 53.93 feet; thence South 4° 53' 52" West 61.75 feet to the Point of Beginning.

Together with all necessary or convenient means of ingress to and egress from said land and property for the purpose of exercising the rights herein granted.

Grantor will exercise only such reserved rights in said land as will not interfere with or prohibit the free and complete use and enjoyment by Grantee, its successors or assigns, of the easements hereby granted, and no building or other structure of any kind shall be erected, placed or maintained by Grantor, its successors or assigns, upon any of the land above described.

Dated Juplem Lev 19, 1984

CALMAT CO. fka CONROCK COMPANY

Λnd

SECRETARY

W-65575 R/W 12226

DESCRIPTION APPROVED SCHECK 8-21-84

RMF-D5

RMF-D5

REKLASTEN

ENGINEER OF DESIGN

LOS ANGELES WATER SYSTEM

Lowthy mile

(Corporation)

STATE OF CALIFORNIA

he 19.1984 before me, the undersigned, a Notary Public in and for said State, personally appeared _____()_llea

personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument as the chairman personally known to me or proved to me on the basis of satisfactory evidence to be the person who executed the within instrument as the ______ Secretary of the Corporation that executed the within instrument and acknowledged to me that such corporation executed the within instrument pursuant to its by-laws or a resolution of its board of directors.

WITNESS my hand and official seal.

JOANA J. PIERCE NOTARY PUBLIC LOS ANGELES COUNTY

My Commission Expires May 17, 1986

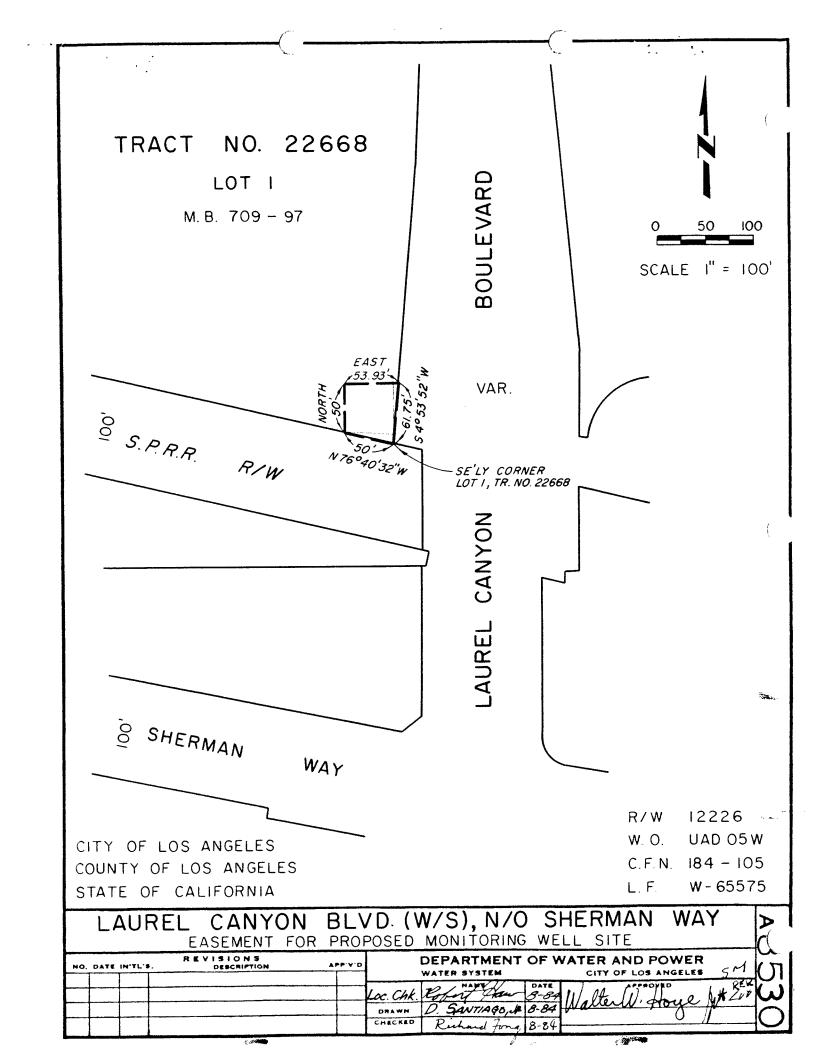
CERTIFICATE OF ACCEPTANCE

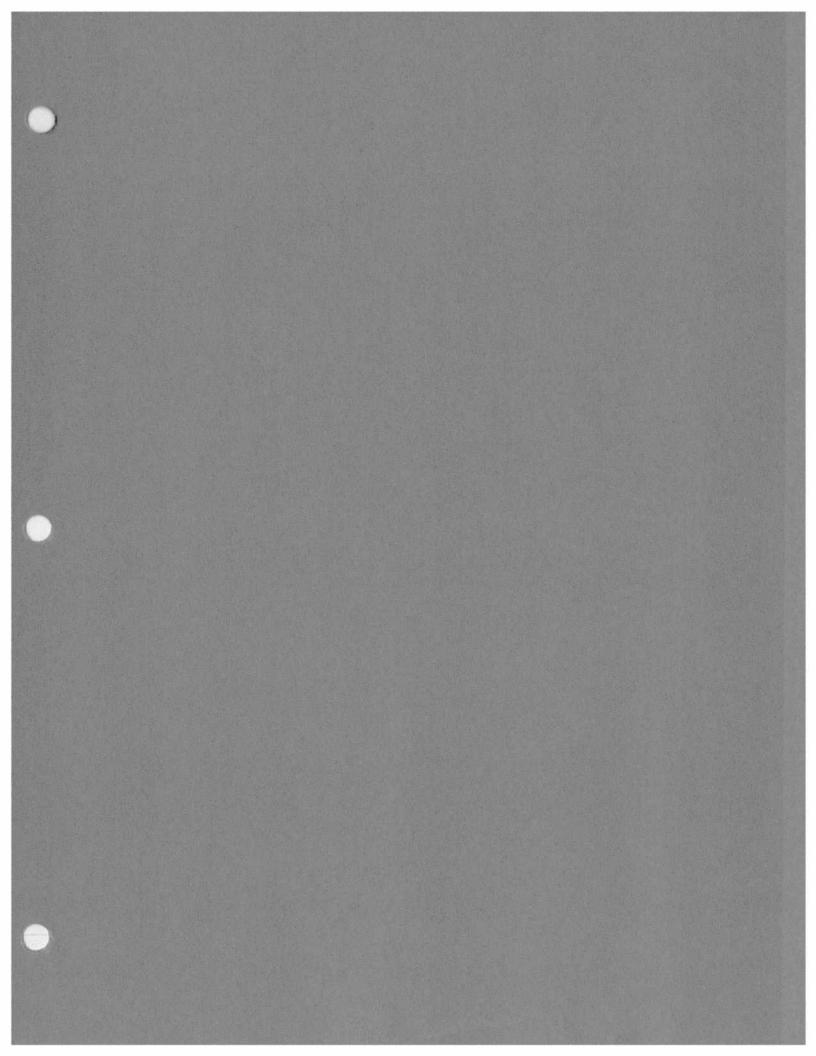
As authorized by resolution of the Board of Water and Power Commissioners of the City of Los Angeles, and recorded June 20, 1962, in Book M-1042, Page 587, of Official Records of the County of Los Angeles, California, the undersigned accepts and consents to the annexed deed or grant and the recordation thereof.

Oct 2,1984

eorgesoups

For and on behalf of the Board of Water and Power Commissioners of the City of Los Angeles.







Los Angeles By-Products Co.

Incorporated 1925

March 31, 1977

Mr. Scott J. Wilcott Corporate Counsel and Secretary Conrock Co. P.O. Box 2950 Los Angeles, CA 90051

Dear Scott:

Please find enclosed the original and one copy of the Quitelaim Deed covering an easement for sanitary sewer and appurtenant structure over a portion of the Hewitt site.

As requested in your letter of March 23, 1977, both copies of the Quitclaim Deed have been executed and acknowledged.

Very truly yours,

R. M. Salisbury

President

RMS:bs Encls. (2) March 23, 1977

Mr. Richard Salisbury, President LOS ANGELES BY-PRODUCTS CO. 1810 E. 25th Street Los Angeles, CA 90058

Dear Dick:

The City of Los Angeles has requested, pursuant to the requirements of Tract Map #22668 recorded September 20, 1963, an easement for sanitary sewer and appurtenant structure over a portion of the Hewitt site.

In connection therewith, they have also requested that we obtain an executed and acknowledged Quitclaim Deed from Los Angeles By-Products Co. and have forwarded to us for that purpose an original and one copy thereof.

I have enclosed these documents and request that you have the appropriate officials at Los Angeles By-Products execute and acknowledge them, and return them to me.

If you have any questions, please feel free to call me.

Very truly yours,

Scott J Wilcott Corporate Counsel and Secretary

:rl Enclosures AMPOITOLITE G-49-0.

SPACE ABOVE THIS LINE FOR RECORDER'S USE -

written by:10 Charted by:17

CORPORATION EASEMENT DEED

| DISTRICT | COUNTY | ROUTE | POST MILE | NUMBER |
|----------|--------|-------|-----------|---------|
| \$1.7° | ٤. | 17.3 | 15.4 | 71874-1 |
| | | | | |

| GRANT to the State of California an EASEMENT for | Drainage | Purposea | |
|---|----------|-------------|----------|
| | | | |
| | City of | Los Angeles | |
| upon, over and across that certain real property in the | | | , |

County of California, described as follows:

Subdivision of the East 12,000 acros of the South half of the Ranche Ex-Rissian of Fan Pernando, as shown on map recorded in Sook 31, page 39 et seq., of Miscellancous Records in the office of the County Escorder of said county, described as follows:

Beginning at a point in the fasterly line of that certain parcel of land described in deed to Ban Guilow et al., recorded Hovember 16, 1976 in Book 57323, page 656 of Official Records of said county, having a bearing and distance of my 14° 05° 20" W, 48.15 feet"; said point being N 14° 05° 20" W, 16.06 feet from the mort Southerly terminus of said line; thence N 73° 05' 18" E, 4.38 feet; thence M 81° 37' 29" E, 10.11 feet; thence N 16° 54' 42" E, 9.00 feet; thence S 64° 34° 03" E, 10.11 feet; thence S 73° 05' 18" E, 4.08 feet to said Easterly line; thence elong said Easterly line S 14° 05' 20" E, 6.51 feat to the point of beginning.

The date of possession by grantee of the herein described property is 7-21-81 or the recordation date of this deed, whichever occurred first.

Map No. Por of F-1385 6-25-51 RWPE:TOKITA Written by:LC Checked by:JT

07299-016741 N. of Sherman Way 07-LA-170-18.4 71874-2

TEMPORARY CONSTRUCTION EASEMENT

| FOI | ARINTDIE | considerations, | the | e undersigned CONROCK CO. | |
|-----|----------|-----------------|-----|---------------------------|---------------|
| | | | | | . |

(do) does hereby GRANT to the STATE OF CALIFORNIA a TEMPORARY EASEMENT for purposes incidental to the construction of Drainage facility, in, on, over and across that certain real property in the City of Los Angeles, County of Los Angeles, State of California, described as:

That portion of Lot 49 of the Lankershim Ranch Land and Water Company
Subdivision of the East 12,000 acres of the South half of the Rancho Ex-Mission of
San Fernando, as shown on map recorded in Book 31, page 39 et seq., of Miscellaneous
Records in the office of the County Recorder of said county, described as follows:

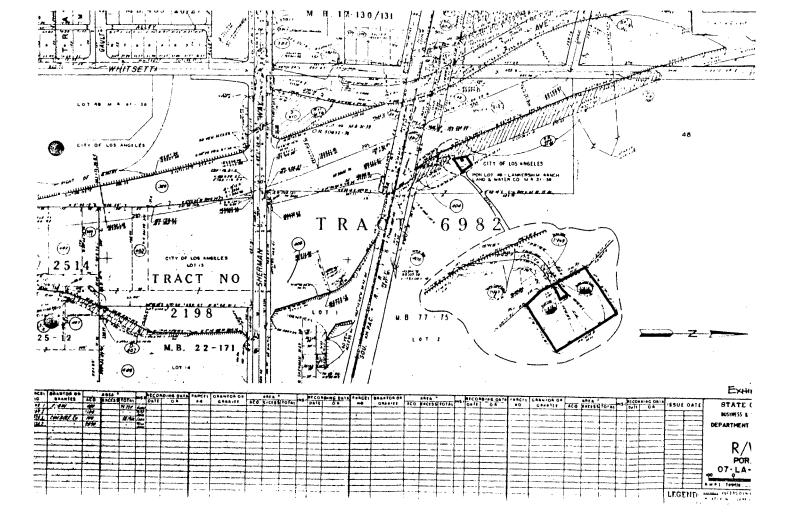
Beginning at the Southerly terminus of the Easterly line of that certain parcel of land described in deed to 8am Gudlow et al., recorded November 18, 1976 in Book D7323, page 666 of Official Records of said county, having a bearing and distance of "N 14° 05' 20" W, 45.15 feet"; thence along said Easterly line N 14° 05' 20" W, 10.06 feet; thence N 73° 05' 18" E, 4.38 feet; thence R 81° 37' 29" E, 10.11 feet; thence N 16° 54' 42" W, 9.00 feet; thence E 64° 34' 03" W, 10.11 feet; thence S 73° 05' 18" W, 4.08 feet to said Easterly line; thence along said Easterly line N 14° 05' 20" W, 27.03 feet; thence N 73° 05' 18" E, 47.75 feet; thence S 16° 54' 42" E, 60.60 feet; thence S 73° 05' 18" W, 47.93 feet to the Easterly

boundary of said land; thence along said Easterly boundary N 23° 17' 45" W, 17.06 feet to the point of beginning.

It is understood that when the further use of said temporary easement is no longer required, said parcel shall be cleared of all debris and left in a neat, clean and presentable condition, and this easement shall become null and void and shall terminate upon completion of said construction and in any event shall cease and terminate not later than 7-31-82.

AND ALSO the undersigned hereby waives any and all claims for compensation against the State of California, or its authorized agents, for damages to kx said reapproperty of the undersigned caused by or resulting from the use of said temporary easement area.

| Dated this 7/2 day of October | , 19 E /. |
|-------------------------------|--------------------|
| Signed and delivered | |
| in the presence of | CONROCK CO. |
| | By William Jenkins |
| | By Co Person |



| Approved as to form by City Attorney April 28, 1984 | İ | |
|---|--|---|
| recording requested by | | |
| **** | | |
| When Recorded Mail To | GRANTEE |] |
| | CITY OF LOS ANGELES Documentary Transfer Tax not | |
| | required: Sec. 11922 Revenue & Taxation Code. | |
| | SPACE ABOVE THIS LINE FOR RE | |
| EASI | R/W I | No. 30187-18 DM 7484 |
| Chis Instrument, Made this CONROCK CO., who a compoLidated ROCK P | equired title as: RODUCTS CO., a Delaware | corporation, |
| part Y of the first part, and THE CITY of California), the party of the second par Witnesseth: That said part Y of the fi is hereby acknowledged, do by these nent easement and right of way for purposes | t; rst part, for a valuable consideration presents grant unto said party of th | on, the receipt where e second part a permi |
| •ha+ | | in, under, alon |
| upon and across that County of Los Angeles, State of California, | parcel of land in TE | IE City of Los Angele |
| pages 97 and 98, of Map of Los Angeles County: ALSO, that posas follows: Beginning at said lot with the south said lot; thence wester beginning of a tangent a radius of 20 feet and to said easterly line; to said point of ending | 30 feet of the easterly 68, as per map recorded : e, in the office of the control of said lot bounded the intersection of the early line of the northerly along said southerly lurve concave to the Southeing tangent at its posithence southeasterly along in said easterly line; to the point of beginning to the point of beginning to the point of beginning the said easterly line; to the point of beginning the said easterly line; to the point of beginning the said easterly line; to the point of beginning the said easterly line; the sai | in Book 709, County Recorder I and described easterly line o y 30 feet of ine to the threst, having nt of ending g said curve thence northerly |
| The part Y of the first part hereby was | | y be caused by reason |

conveyed.

Approved for Recordation:

| | R/W No. 30187-1E | | | | | |
|---|--|---------------------|---|--------------------|-----------------|--|
| COMSOLIDATED ROCK PRODUCTS CO., a Delaware corporation TO | JOB TITLE RIGHT OF WAY IN EXTENSION OF VALERIO STREET | Signature | known to known to known to ment knov Instrumen acknowlec instrumen of director WITNESS | STAI | (Comoral | to be the to the wi executed WITNES |
| The City of Los Angeles EASEMENT DEED | (WEST OF LAUREL CANYON BLVD. | ture | me i me i wn t on t on t on t ged i ged i pu my | ب دی - (در – | tute c | to be the person to the within instruit executed the same. WITNESS my hand |
| CERTIFICATE OF ACCEPTANCE This is to certify that the interest in real | STANDARD INSTRUMENT Checked as to parties, marital status, dates, signatures, acknowledgments and corporate seal. Bureau of Right of Way and Land | Name (Typed | e thee e to be the half of the ne that such int to its by and and office the control of t | <u> </u> | Name (Typed | be the person |
| This is to certify that the interest in real property conveyed by the within deed or grant to The City of Los Angeles, a municipal corporation, is hereby accepted under the authority of the City Council of The City of Los Angeles, pursuant to Ordinance No. 123655, approved January 23, 1963, and the grantee consents to the recordation thereof by its duly authorized officer. | By Title Officer. Approved as to Authority , 19 | or Printed) | who es ation th ation es | | or Printed) | tamecknowledged |
| ByAuthorized Officer | Bureau of Right of Way and Land By Principal Real Estate Agent. | | President, and | SS. before me, the | | that |
| Date: | Approved as to description | | President, and y of the corpor the within amed, and the within the within | | | ribed |
| | City Engineer, By | CTMs a | ration that | p | OTHIS. | |
| | Approved as to form, 19, ROGER ARNEBERGH, | ures for official i | executed | Notary Public | um for efficial | |
| | City Attorney. By. Deputy. | ectorial seal) | the within | lic in and | mentarist mail | |
| Division D. M. By C. E. | | | in Instru- | for said | | |
| Conditions Escrow | Garage 11 years are | | | | | |

Council File No.

Signature Date

(Individual)
STATE OF CALIFORNIA
COUNTY OF
On
State, personally appeared

SS

before me, the undersigned, a Notary Public in and for said

known to me

| Approved as to form by City Attorney February 26, 1958 | | |
|--|---|---|
| RECORDING RI | EQUESTED BY | |
| | | |
| When Record | ded Mail To | |
| | | |
| | | |
| | | |
| | | |
| | | Space Above This Line for Recorder's Use |
| | | R/W 30187-18 |
| | A 11 1 | aim Deed |
| - | | |
| n consideration of | ONE DOLLAR (\$1.00) | to in hand paid, the receipt of v |
| | | m man para, me receipt of v |
| s hereby acknowledged NGELES, a municipal Interest in and | d, do •• hereby release | remise and forever quitclaim to The CITY OF of California, all right, title, and |
| s hereby acknowledged NGELES, a municipal interest in and structure purpos | d, do hereby released corporation of the State to an easement for ease, in, over, along | , remise and forever quitclaim to The CITY OF of California, all right, title, and r sanitary sewer and appurtenant ng and across |
| s hereby acknowledged NGELES, a municipal interest in and structure purposed that the purposed in the purposed | d, do hereby released corporation of the State | remise and forever quitclaim to The CITY OF of California, all right, title, and r sanitary sewer and appurtenant ng and across |

SEE DESCRIPTION ATTACHED HERETO AND MADE A PART HEREOF

Approved for Recordation

D. M.

C. E.

Escrow

LOS ANGELES BY-PRODUCTS CO.

| R/W | No | 30 | 1 | 37 | - | 18 |
|-----|----|----|---|----|---|----|
| | | - | _ | | | |

| JOB TITLE | | | |
|-----------|---------|---------|-------|
| EXTENSION | i of ay | LIBIO S | TREET |
| (MEST OF | LAUREL | CARYON | BLVD. |

STANDARD INSTRUMENT

Checked as to parties, marital status, dates, signatures, acknowledgments and corporate seal.

BUREAU OF RIGHT OF WAY AND LAND

Title Officer. Aproved as to Authority

BUREAU OF RIGHT OF WAY AND LAND

Principal Real Estate Agent. Approved as to description ...

CITY ENGINEER

Deputy.

| pproved as to form | | , 1 |
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LAW OFFICES LATHAM & WATKINS

July 12, 1955

SUITE 330 STATLER CENTER LOS ANGELES (7, CALIFORNIA MAO(30N 8-0(5)

WASHINGTON, O. C. OFFICE TRANSPORTATION BUILDING NATIONAL & C294

Consolidated Rock Products Co. P. O. Box 2950 Terminal Annex Los Angeles 54, California

Attention: Mr. Walter Moore

Re: <u>Hewitt Condemnation Suit</u>

Gentlemen:

Enclosed is a Memorandum covering our legal position in connection with the pasement area involved in the Hewitt Condemnation Suit. Please look it over at your early convenience and let me know if you have any questions with respect to it. If the facts set forth on pages I to three, inclusive, of the Memorandum are not accurate, please let me know.

Yours very truly,

of LATHAM & WATKINS

Enc. KW:lf

MEMORANDUM

July 11, 1955

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TO: K.W.

FROM: C.R.W.

CLIENT: Consolidated Rock Products Co. Hewitt Condemnation Suit

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FACTS:

Thirty years ago an easement, 100 feet wide, was granted across the Hewitt property to the Los Angeles County Flood Control District by client's predecessor in interest, Consumers Rock and Gravel Co. The deed granted "a perpetual easement and right of way unto said second party, for the construction, reconstruction, inspection, maintenance and repair of protection works for the purpose of confining the waters of Tujunga Wash in a single channel and for the purpose of establishing an official channel to the waters of the said stream in a definite course." The consideration was One Dollar (\$1.00) and the further consideration of the benefits derived by said first party from the establishment of said official channel. From the time the easement was granted until the present, "County Flood Control" has done nothing to construct a channel through the easement nor used the easement in any way. The easement runs in a N.W. to S.E. direction, and the northern part of the easement is located where the old Tujunga drainage once traveled, but the southern part of the easement extends to the east of the normal wash. The easement ends on the south at a point where it connects with the Southern Pacific Railroad track. The easement doesn't

continue to the south of the tracks. That area, also owned by Consolidated, has been zoned for industry subsequent to the granting of the easement -- as far as we know it was zoned industrially in the early 1940's. That area is now being used by tile manufacturers and directly to the south of that is Sherman Way Highway which is used extensively by motor vehicles. From all outward appearances, because of the industry and highway, it would be very difficult and expensive to acquire easements connecting to the southern tip of our client's easement for the purpose of using the easement for drainage purposes as originally intended. In 1940 Hansen Dam was built in the northern part of the San Fernando Valley to control the flood waters of the Tujunga. Approximately four or five years ago a concrete canal was built for the purpose of carrying the waters of the Tujunga Wash. This canal is known as the Tujunga Wash. About two or three miles to the north of our property the Tujunga Wash travels over the natural Tujunga washbed but then the canal veers to the west of the old natural channel and by the time the canal is as far south as our client's property it is located about 3/4th of a mile to the west. This canal is large and permanently built and appears to be adequate for confining the waters of the Tujunga Wash in a single and official channel. Not long after the Tujunga Wash was built to the west of our client's property, our client erected a chain link fence around its property enclosing the easement and also a subterranean fence on the western border of its property enclosing the easement. These fences were built at some expense and upon reliance that the easement had been abandoned by the County Flood Control District. At the present time there is some drsinage of water traveling part

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way on the land where the easement is located and part way on the portion of the land owned exclusively by Consolidated Rock. All of this is local drainage and no waters are presently coming upon client's property from the Tujunga Wash. In January of 1954 the County Flood Control quitclaimed all of its "right, title, and interest" in this property to the City of Los Angeles. This easement was presumably quitclaimed to the city for the purpose of using the easement for local drainage.

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QUESTION:

Has the above mentioned easement been extinguished by abandonment by the County Flood Control District?

CONCLUSION:

Applying the facts and circumstances of this case to the law, it can only be concluded that the easement has been extinguished by abandonment.

California Civil Code, Sec. 811 states:
"A servitude is extinguished:

3. By the performance of any act upon either tenement, by the owner of the servitude, or with his assent which is incompatible with its nature or exercise; or,"

Abandonment is such an act as described in California Civil Code, Sec. 811 that would extinguish the easement.

How may an easement created by grant, be extinguished by abandonment?

There are apparently three different theories. The first, and most prevalent is that to affect an abandonment there must be non-user and an intent to abandon the easement by the dominant owner. <u>Parker v. Swett</u>, 40 CA 68, 180 P. 351 (1919); <u>Whelan v. Zahniser</u>, 92 CA 2d 770, 207 P. 2d 629 (1949).

The uncontradicted weight of authority holds that an easement created by grant cannot be lost by mere non-user no matter how long that non-usermay continue, <u>Watson v. Heger</u>, 48 CA 2d 417, 120 P. 2d 153 (1941); <u>Walker v. Lillingston</u>, 137 C. 401, 70 P. 282, (1902). In <u>Whelan v. Zahniser</u>, supra, it was held that an easement acquired by deed is not normally lost by mere non-user; but, there must be an intent to abandon it either express or implied.

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Where an easement is created by grant, what degree of intent to abandon must be proven?

In <u>Parker v. Swett, supra</u>, it was held than an easement created by grant may only be lost by abandonment when the intent to abandon <u>clearly</u> appears.

The second theory upon which an abandonment of an easement granted by deed may be founded, requires that in addition to the elements of non-user and intent to abandon, there is also damage to the owner of the servient estate.

19 Cal. Jur 2d 144. This rule as expressed in Cal. Jur. 2d is based upon Smith v. Worm, 93 C. 206, 28 P. 944, (1892), where the court stated at page 212;

"An easement acquired by deed is not lost by mere non-user. It must be accompanied with the express or the implied intention of abandonment, and the owner of the servient estate, acting upon the intention of abandonment and the actual non-user, must have incurred expenses upon his own estate. The three elements, non-user, intention to abandon, and damage to the owner of the servient estate, must concur in order to extinguish the easement."

The theory behind this requirement of damage to the owner of the servient estate is estoppel. In many cases there is a confusion between the various theories of extinguishment of easements. This fact is illustrated by the statement made by the writer in 36 CLR 490, at page 491:

"The Restatement of Property expressly recognizes the abandonment doctrine in addition to the doctrine of adverse possession, release, and estoppel. A survey of decisions in easement extinguishment cases, however, shows no clear-cut distinction, especially as between abandonment and estoppel."

However, the requirement of damage to the owner of the servient estate, before an abandonment may be effected, is set forth in <u>Smith v. Worn</u> only. In no other case is said damage expressly required as a prerequisite to an abandonment. Also, in <u>Flanagan v. San Marcos Silk Co.</u>, 106 CA 2d 458, 235 P. 2d 107 (1951), and in <u>Whelan v. Zahiser, supra</u>, there was no damage to the owner of the servient estate in relying on an abandonment, and the court held that all that was necessary was non-user and an intent to abandon. The holding of <u>Smith v. Worn</u> is also minimized in the California Annotations to the Restatement of Property at page 234 where in commenting on <u>Smith v. Worn</u> it was said:

"There is also a suggestion that a change of position by the servient owner is essential to an abandonment."

Although the statement made in <u>Smith v. Worn</u> appears to be more than a suggestion, it is obvious that the case is not controlling in California as to the elements of abandonment.

The damage to Consolidated Rock in relying upon the abandonment of the easement can be proven by the expenses from the building of the chain link and subterranean fences. This should be considered sufficient to establish that Consolidated Rock had been misled to its prejudice. In <u>Smith v. Worn</u> a sixty foot (presumably wooden) fence had been built by the servient owner, and the court held that no one had been misled to his prejudice by the acts of the dominant owner. However, there is a substantially greater degree of evidence of intent to abandon in our case and there is greater expense in our case.

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Therefore, the facts of our case and <u>Smith v. Worn</u> could be distinguished. It would be my opinion that we have a good case of abandonment under the second theory where a showing of damages by the servient owner is necessary.

The third theory of abandonment applies to public purpose easements such as our own. Easements acquired by public utilities for a public purpose are terminated by abandonment of the public purpose, whether they were originally gained by prescription, grant, or eminent domain. 38 Cal. Jur.(2d) p. 148.

The two principal cases supporting this doctrine are Feople v. Ocean Shore R., Inc., 32 C. (2d) 406, 196 P. (2d) 570, (1948); and Slater v. Shell Oil Company, 39 CA (2d) 535, 103 P. (2d) 1043, (1940). In People v. Ocean Shore R., suprs, there was a question of whether or not the railroad had lost a right of way. Court ruled that the easement had been abandoned, holding that an easement acquired by a utility for a public purpose is terminated by abandonment of that purpose, and whether or not there has been such an abandonment is ordinarily a question of fact. The court could properly conclude that the right of way was abandoned and that the nonuser was voluntary where there was evidence that defendant's predecessor had stopped running its trains, had removed its tracks and sold its equipment, and had represented to the Corporation Commissioner that it no longer was a public utility. In Slater v. Shell Oil Corp., supra, the plaintiff for consideration granted an easement for a pipe line across plaintiff's premises to Valley Pipe Line Co., a public utility, for the purposes of carrying oil for the public. Valley Pipe Line Co., owned by Shell Oil Co., was later dissolved and all

assets were transferred to Shell Oil Co., defendant. The trial court granted a non-suit on the grounds that the right of way had been assigned to Shell. The appellate court reversed, stating at page 549:

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"The evidence demonstrates the Shell Cil Company and the Valley Pipe Line Company intended that, by the attempted transfer and dissolution, the public purpose to which the Slater easement had been devoted should cease and terminate. . Where the public use has terminated or been abandoned the easement terminates and the property reverts to the grantors. . . It is well settled that where a utility acquires an easement (as distinguished from a fee simple title) in the nature of a right of way for a public purpose, the abandonment of the public purpose terminates the easement and the easement reverts (citing authority). In the application of this rule it makes no difference whether the easement was gained by grant or by the exercise of eminent domain (citing authority). Whether or not there has been an sbandonment of a public use is a question of fact (citing authority)."

The theory of abandonment by abandoning the public purpose is merely another way that the easement may be extinguished. It would not mean that the easement could be abandoned only in this matter. What the cases seem to imply is that if the public purpose is abandoned then not even the element of non-user is essential and that element is only helpful to prove the intent to abandon the public purpose.

The rule as it is generally stated is limited to easements acquired by <u>public utilities</u> for a public purpose. Although the Los Angeles County Flood Control District is not strictly speaking a public utility, it is similar to a public utility in that it also is dedicated to a public use, it is defined as a public corporation on a quasi-political subdivision of the State, and both public utilities and the "District" have the power of condemnation. It is submitted that the reason for the rule of abandonment of easements by public utilities by virtue of abandonment of the public purpose is because such

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easements may be taken by condemnation or by threat of condemnation. It is stated in <u>Slater v. Shell Oil Company</u>, <u>supra</u>, at p. 548:

"It would be a strange doctrine indeed to permit a public utility to gain rights of way and other property by threat or actual use of eminent domain proceedings, and then, after such property is devoted to a public use, to permit it to dissolve and thus transfer by operation of law to its sole stockholder this property freed from the public use." (Underlining added).

Since the "Flood Control District" also has the power of condemnation, it logically follows that the rule as stated would equally spply to the "Flood Control District".

What was the extent and public purpose of this easement?

California Civil Code, Sec. 806 states:

"The extent of a servitude is determined by the terms of the grant, or the nature of the enjoyment by which it was acquired."

In <u>Fristoe v. Drapean</u>, 35 C. (2d) 5, 215 P. (2d) 729 (1950) it was held that under section 806 of the Civil Code, which defines the extent of all servitudes, the controlling factor is the terms of the grant. And, in <u>Whalen v. Ruiz</u>, 40 C. (2d) 294, 253 P. (2d) 457, (1953), it was stated that since the extent of a servitude is determined by the terms of the grant, both parties have a right to insist that so long as the easement is enjoyed it shall remain substantially the same as it was at the time the right accrued, regardless of the question as to the relative benefit and damage that would ensue to the parties by reason of a change in the mode of its enjoyment. Thus, we must look to the grant to determine the extent of the easement and the public purpose for which this easement was to be used. The grant states that the easement and right of way is granted "for the construction, reconstruction, inspection,

maintenance and repair of protection works for the purpose of confining the waters of Tujunga Wash in a single channel and for the purpose of establishing an official channel to the waters of the said stream in a definite course." Thus, the easement on this property was acquired for the public purpose of devoting this easement to the confining of the waters of Tujunga Wash in a single and official channel. It is obvious that this public purpose has been abondoned because:

- 1. An official single channel confining the waters of the Tujunga was built 3/4ths of a mile away, over four years ago and is now in use. That channel is large, concrete, well constructed and appears to be quite adequate for the purpose of confining the waters of the Tujunga Wash.
- 2. The easement across our client's property could never be used satisfactorily for the purpose of confining the waters of the Tujunga since there is no easement to the south of the Southern Pacific Railroad track and there is large industry and a highway directly to the south of the point where our easement ends.
- 3. There has been a non-user of this easement for a long period of time -- 30 years.
- 4. The County Flood Control divested itself of all right, title and interest in the easement by quitclaiming it to the City of Los Angeles in January of 1954.

The conclusion that the easement has been abandoned by abandonment of the public purpose is further substantiated by applying the facts of our case set forth above to the holdings in <u>Barton v. Jarvis</u>, 218 Ky. 239, 219 S.W. 38, (1927); Abercrombie v. Simmons, 71 Kan. 538, 81 P. 208 (1905); and Chicago & N.W. Ry. Co. v. Sioux City Stockyards Co., 176 Iowa

659, 158 N.W. 769. All three of these cases were cited as authority in the California case of Slater v. Shell Oil Company, supra, for the proposition that where a utility acquires an easement in the nature of a right of way for a public purpose, the abandonment of the public purpose terminates the easement and the easement reverts. In Chicago Ry. Co. v. Sioux City Stockyards, supra, the railroad had a right of way to the stockyard which was abandoned. The court held that a grant of an easement for particular purposes having been made, the right thereto terminates as soon as the purposes for which granted cease to exist or are abandoned or are impossible. In our case the purpose for which the easement was granted -- of confining the waters of the Tujunga Wash -- has ceased to exist and has been abandoned because of the building of the channel in a different location and the other reasons set forth above. In Abercrombie v. Simmons, supra, a railroad purchased a strip of land for a right of way for tracks. The tracks were never constructed or graded and the railroad later conveyed its rights in the strip of land. The court held there was an abandonment, stating:

"It took the strip for a specific purpose, and could hold it so long as it was devoted to that purpose . . . the interest was taken for use as a right of way, it was limited to that use, and must revert when the use is abandoned."

Again the facts in our case apply to the holding. In <u>Barton</u>
<u>v. Jarvis</u>, <u>supra</u>, the language of the court is particularly applicable to our case. The railroad had been granted a strip of land "to have and to hold the lands hereby conveyed unto said railroad company and assigns for the use of depot buildings, side tracks, water tanks, cattle pens and all other proper uses necessary to operate its railroad. . . " Later the

railroad sold a portion of the land. Held, it had been abandoned. The court stated:

"If the uses of the land are limited to certain purposes, the railroad company acquires only an essement for those purposes, and when the purposes for which the land was conveyed are sbandoned, the land will revert, as it does where an essement has been acquired for right of way purposes.

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"The courts are not inclined to favor forfeiture of easements unless the intent to abandon them plainly appears. The act of the railroad company, however, in attempting to convey a fee simple title to the appellant Barton, is conclusive evidence of its intent to abandon the ground for the purpose for which it had been conveyed to it. The appellant Barton, therefore, acquired no title under the deed from the railroad company and the ground reverted to the successors in title of Liberty S. Salton." (Underlining added.)

This case clearly sets out the rule that evidence of an attempted sale of an easement devoted to a particular purpose is conclusive evidence of the intent to abandon. Thus where the easement has been granted to the "District" for the purpose of confining the waters of the Tujunga Wash, and the "District" quitclaims the easement to the City of Los Angeles, this is conclusive evidence of the intent of the District to abandon the easement.

Also, there is a recent California case which further affirms the doctrine of abandonment by a public body through abandonment of the public purpose. In that case, Ocean Shore Railroad Co. v. Doelger, 127 CA (2d) 392, 274 P. (2d) 23, (1954), the court stated at p. 403:

"On the question of abandonment the following language from Mammoth Cave National P. Ass'n v. State Highway Com., 261 Ky. 769, 88 SW (2d) 931, 935, is appropriate: 'The record clearly discloses that the railroad company, by abandoning the use of its railroad, tearing up and removing its tracks, and attempting to convey the land to others to be dedicated to other purposes, abandoned its right of way, and the lands thereupon reverted to the grantors or their successors in title. The right of way is in the nature of an easement, and

is acquired only for the purpose of the railroad. When the road is abandoned or removed from the strip of land over which the railroad has a right of way the land is discharged of the burden. California & Nevada R. Co. v. Mecartney, 104 C. 616, 623, 38 P. 448.

In our case the "District" had acquired an easement for the purpose of constructing a channel for the Tujunga Wash. When there was no longer an intention of constructing a channel for the Tujunga Wash over our client's land the purpose of the easement was abandoned, and thus the land was discharged of its burden.

In all cases of abandonment of an easement acquired by deed the one essential element is the intent to abandon. Whether or not acts are done with intent to abandon an easement is a question of fact to be determined by the trial court from consideration of the conduct of the parties and the surrounding circumstances. <u>Flanagan v. San Marcos Silk Co.</u>, <u>supra</u>. However, let us now look at the facts of our case to determine what conduct by the "District" would strongly evidence an intent to abandon as held by other cases:

- (1) Non-user for thirty years -- In Home Real Estate

 Corp. v. The Los Angeles Pacific Company, 163 C. 710,

 126 P. 972 (1912) and Flanagan v. San Marcos Silk Co.,

 supra, it was held that although mere non-user not accompanied by an intent to abandon will not extinguish an

 easement, a long continued non-user is, however, some

 evidence of an intent to abandon. In the two cases cited

 there was non-user for 15 and 16 years respectively. In

 our case there was non-user for twice that period.
- (2) It would be almost impossible to utilize the easement for the purpose for which it was conveyed -- confining the waters of the Tujunga Wash into one channel--

since the "District" never acquired an easement south

of the railroad tracks and the area south of the southern

end of the easement has been permitted to be zoned industrially and in fact buildings and plants have been situated there for some period of time.

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In <u>Flansgan v. San Marcos Silk Co.</u>, supra, it was held that an abandonment may be predicated on facts showing that the means of an enjoyment of an easement have been in a state of disrepair for a long period of time.

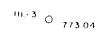
(3) Instead of using this essement for the purpose of confining the Tujunga Wash into one official channel snother parallel route was used three fourths of a mile to the west.

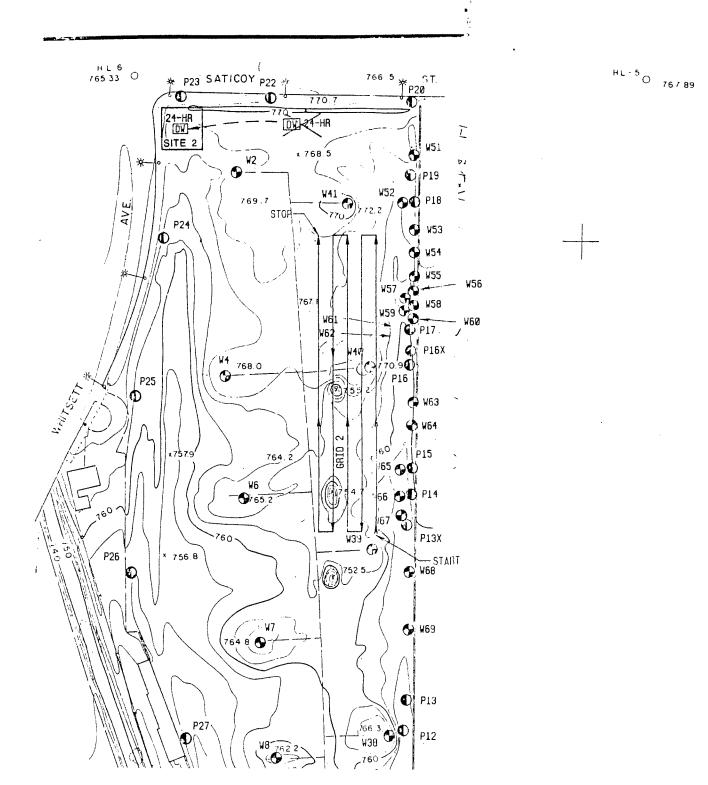
In Home Real Estate Company v. The Los Angeles Pacific Company, supra, one of the important factors in holding there was an abandonment of a railroad line for the purpose of carrying passengers, was the construction of another parallel line which was used for the transportation of passengers to and from such terminal point. And in Flanagan v. San Marcos Silk Co., supra, one of the deciding factors in supporting a finding of an abandonment of an essement for the maintenance of a pipe line to carry water from an irrigation district to the silk plant, was the affirmative acts of the parties in obtaining a new and different source of supply of water by means of digging wells.

(4) The attempted conveyance of the easement granted for a particular public purpose by the District to the City of Los Angeles in January of 1954 -- Abercrombie v.

Simmons, supra; Slater v. Shell Oil Company, supra; and Ocean Shore Railroad v. Doelger, supra, all recognize the importance of this element in showing an intent to abandon. <u>Barton v. Jarvis</u>, supra, held it was conclusive evidence of an intent to abandon.

In view of the above discussion, it can only be concluded that the Los Angeles County Flood Control District has abandoned the easement.





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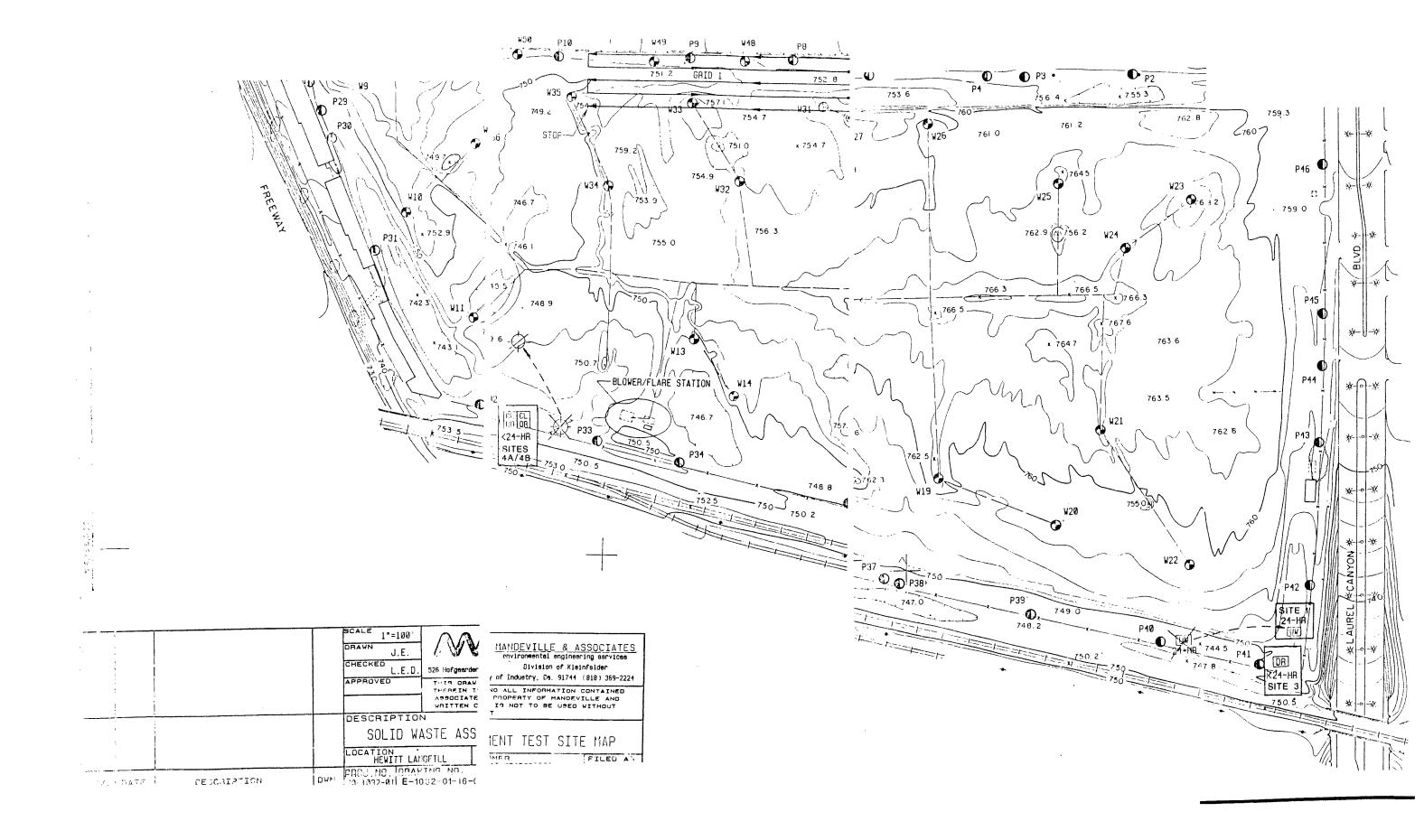
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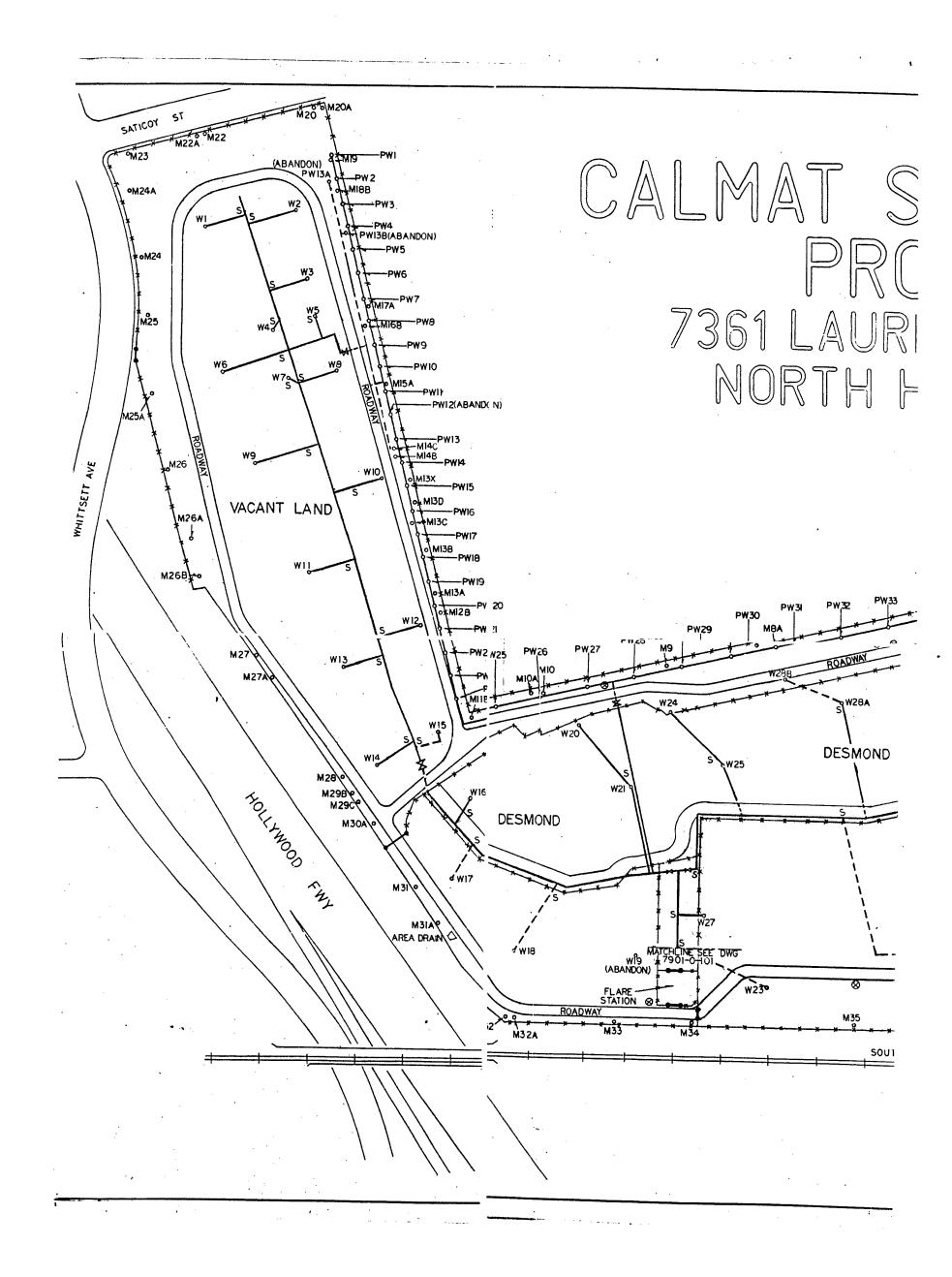
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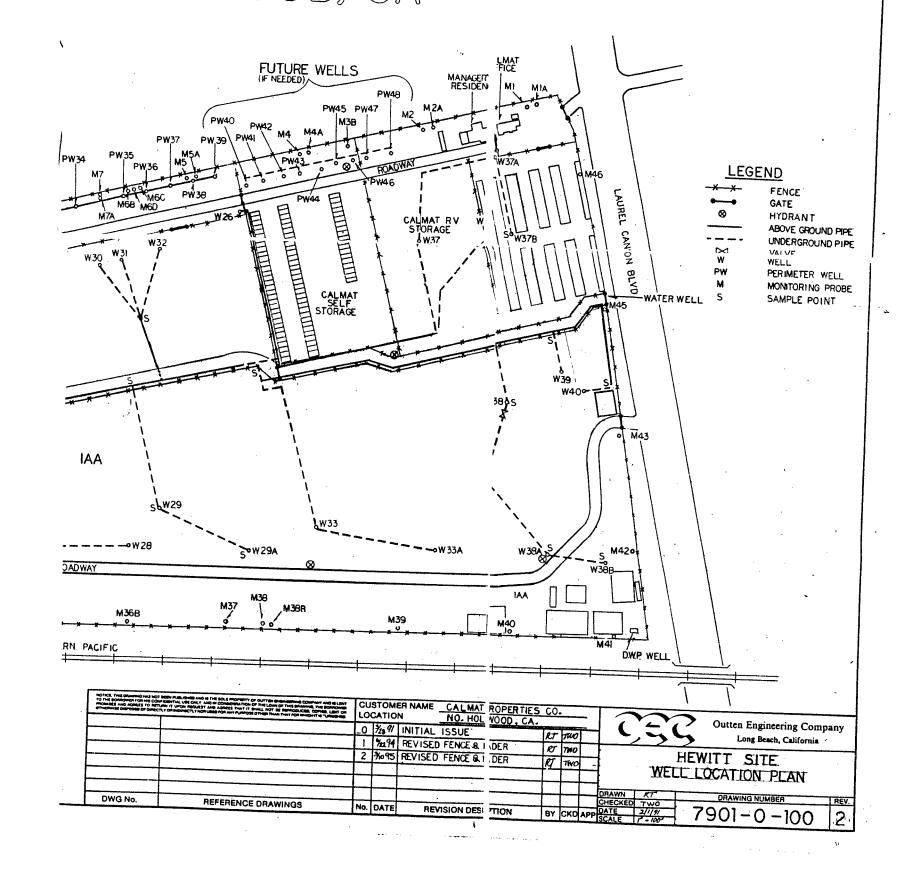
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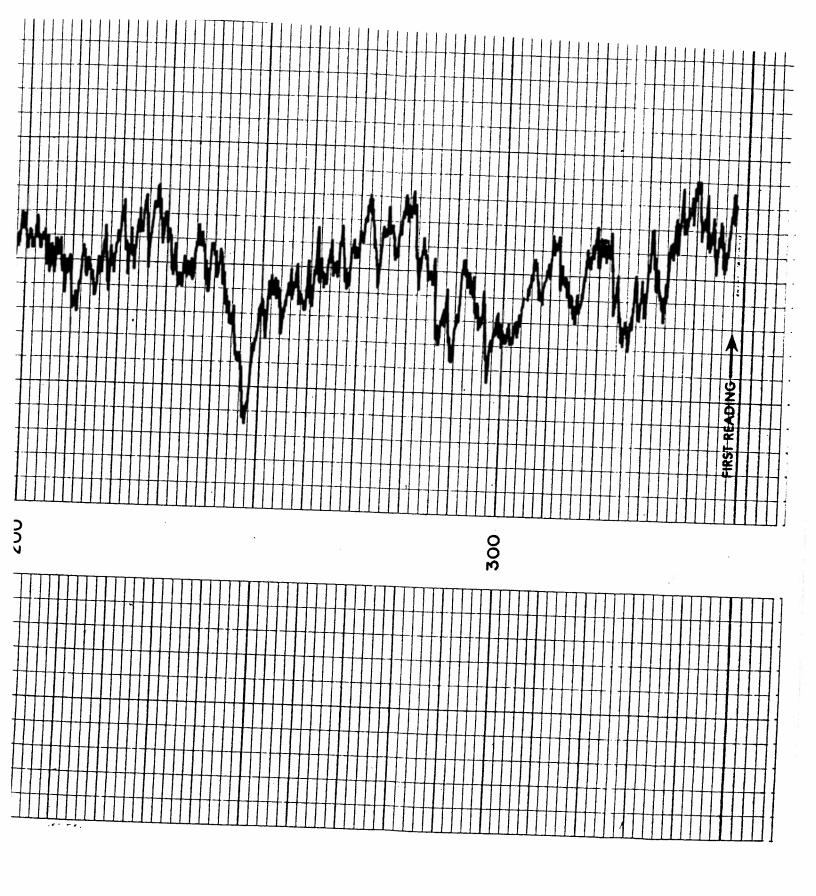
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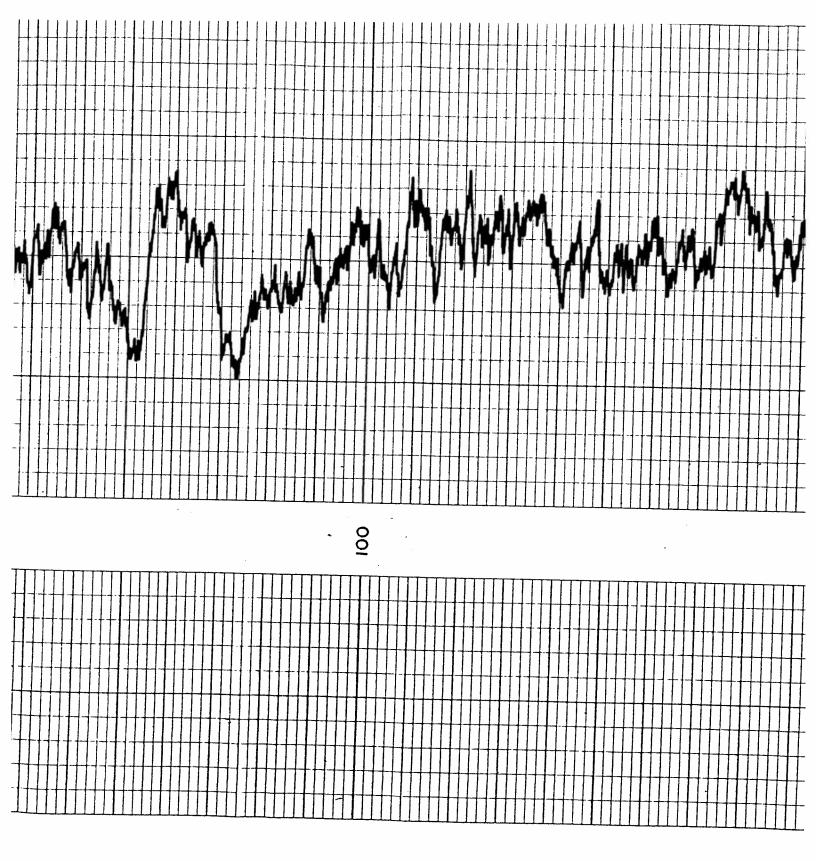
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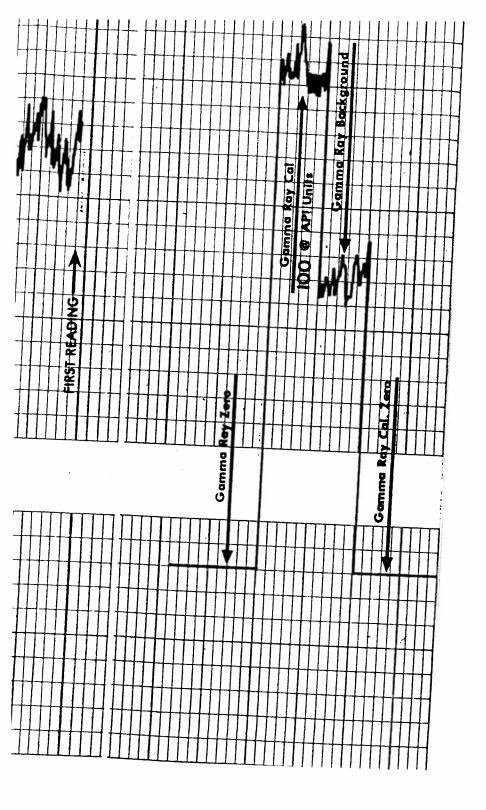
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WELL ENGINEERING SURVEYS

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| - v, | WELL HOWARD PUMP, INC. WELL HOWARD PUMP, INC. WELL HOWARD PUMP, INC. WELL HOWARD PUMP, INC. STATE CALIFORNIA COUNTY LOS CATION Saticoy St. 30'W of end. near Hollywood Fuy | OTHER SERVICES | A 11 A | Scale Changes th Scale Up Hole | Equipment Data Pad Type Tool Position |
| Permanent Datum: Log Measured From Drilling Measured F | C RGE | Elev.: K.B | f Contorn Ia AFL | rpe Log Depth | Tool Type |
| Date Run No. Depth—Driller Depth—Logger Btm. Log Inter. Top Log Inter. | 10-31-84 ONE 293' 213' 212' 27' | | ne Heading and Log | 1,1 | F Run No |
| Casing—Driller Casing—Logger Bit Sise Type Fluid in Hole Dens. Visc. pH Fluid Loss | 12/4" | | | . ! ! ! ! | - E - E - E - E - E - E - E - E - E - E |
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